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FARLOW
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William & Maria Allen.

to

Samuel Lucas. -

5^{mo}. 1858.



F L O R A
BEDFORDIENSIS,

COMPREHENDING SUCH PLANTS

AS GROW WILD IN THE COUNTY OF

B E D F O R D,

A R R A N G E D

ACCORDING TO THE SYSTEM OF LINNÆUS,

WITH OCCASIONAL REMARKS.



B Y

CHARLES ABBOT, M.A. F.L.S.

CHAPLAIN TO THE

RIGHT HON. THE MARQUIS OF TWEEDALE,

VICAR OF OAKLEY RAYNES IN BEDFORDSHIRE,

AND LATE FELLOW OF NEW COLLEGE, OXFORD.



“ Full many a gem of purest ray serene

“ The dark unfathom'd caves of Ocean bear :

“ Full many a flower is born to blush unseen,

“ And waste it's sweetness on the desert Air.”

Gray's Elegy.

Bedford:

PRINTED AND SOLD BY W. SMITH;

MAY BE HAD OF THE BOOKSELLERS IN OXFORD

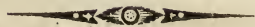
& CAMBRIDGE, AND OF G. G. & J. ROBINSONS, LONDON.

1798.

A 1263f

Enter'd at Stationers' Hall.

Epistle Dedicatory.



To the Queen.

M A D A M,

THE condescension manifested by YOUR MAJESTY in permitting your name to adorn and sanction the pages of the following Work, cannot but inspire some degree of confidence in the heart of the Author, conscious as he is of the inadequate value of the offering. — To the august Patroness of the "*HORTUS KEWENSIS*,"

whose scientific researches have justly obtained for her the character of the first female Botanist in the wide circle of the British Dominions, a character still farther embellished by the display of every domestic and relative Virtue, this Volume, chiefly designed for the amusement and instruction of that sex, which boasts YOUR MAJESTY as it's most distinguished Ornament, is humbly dedicated by

MADAM, Your MAJESTY's

Most devoted,

Most dutiful

And obedient Servant,

Charles Abbot.

BEDFORD, Nov. 20th. 1798.



WHEN, in pursuit of his favorite Amusement, the Botanist ranges with eager step amid the wild scenery of nature to pluck some simple flowret that has hitherto escaped observation, the World, disdainful of his humble Toil, marks him as a sort of phænomenon whose “extravagant and erring Spirit” wanders from the common track of human Life without any rational end or object. — But whatever branch of Science is the source of entertainment or instruction has it’s use and importance: and the study of Botany exhibits to our view a succession of wonders, which tend to enlarge our knowledge and to heighten our admiration of the works of nature, and more especially of the Power Wisdom and Goodness of their omnipotent Author:

“ These are thy glorious Works, Parent of Good ” !

Such reflections ought surely to awe the caviller into silence, whilst they induce the candid to spread the broad shield of public protection over the labours of the Botanist. — Impressed
with

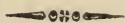
with these sentiments the fair daughters of Albion have evinced a zeal and ardour in Botanical researches which have not only done the the highest honor to themselves, but have eminently contributed to rescue these pursuits from unmerited reproach, to elevate them into reputation, and to impart to them, if not a superior value, at least a superior currency and fashion. — That such excellence should have been attained in this branch of science by so many of the female sex, notwithstanding the disadvantages they labour under from the want of scholastic and technical instruction, is a convincing proof of the liberality with which Nature has endowed the female mind : and how little reason there is to suppose that their intellectual are from any other cause than want of cultivation, in any degree inferior to their personal accomplishments. In the work now before the public, although the technical terms are in a great measure softened and Anglicized, the Author has by no means the presumption (like some of his more adventurous cotemporaries) to attempt to new-model the Linnæan System, than which for the extension of Botanical knowledge, no other or better foundation can possibly be laid. — The several Universities of Oxford and Cambridge are indebted to the indefatigable researches of men of eminence and learning for the exhibition of their respective Floras. — The present publication forms

a connecting link between the two, comprehending an extensive district in the very center of England, where the GODDESS has scattered her beauties with the gayest and most partial profusion. — Nor is it from a transient or careless view of this delightful tract that the following work is composed.—Many of the specimens have been brought into his own garden, where under the constant superintending care of a fair Associate, (whose assistance it would be injustice not gratefully to acknowledge) their various properties and manner of growth have been daily and hourly presented to his observation. — To the same amiable and interesting partner of his pursuits and labours he is also indebted for the preparation of an HERBARIUM, the admiration of all who have knowledge and judgment to discern it's superior beauty and excellence. — But this is only one of the innumerable obligations, for which he is proud to acknowledge himself indebted to her assiduity and attachment. — To the Rev. T. MARTYN, Professor of Botany in the University of Cambridge, his thanks are due for an able and candid revision of his work, the XXIVth. Class excepted. — To the Right Honorable the COUNTESS of UPPER-OSSORY, for the very generous occasional loan of books from her Ladyship's collection : and lastly, since a late mournful event forbids the public exhibition of his thanks, he deems
it

it both his duty and his pride thus to acknowledge the constant and free access he has had to the valuable and well-furnished Library of his late regretted friend THOMAS VAUX, Esq. of Bedford. — Upon the whole the author submits his work to the public with unfeigned respect and diffidence; and he hopes the Linnæan Society, of which he has the honor to be a member, will excuse the mode in which it now appears, in consideration of the motives, which induce him to consult as a leading object the convenience and accommodation of that Class of his Readers, who though comparatively and in the common acceptation of the term unlearned, may not and ought not on that account to be regarded as un-initiated, or as unenlightened.

C. A.

AUTHORS



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M o.	Monandria.		
Di.	Diandria.		
Tri.	Triandria.		
Tetr.	Tetrandia.		
Pen.	Pentandria.		
Hex.	Hexandria.		
Oct.	Octandria.		
Enn.	Enneandria.		
Dec.	Decandria.		
Dodec.	Dodecandria.		
Ico.	Icosandria.		
Poly.	Polyandria.		
Did.	Gymn.	Didynamia.	Gymnospermæ.
—	Ang.	—	Angiospermæ.
Monad.	Pentand.	Monadelphia.	Pentandria.
—	Decand.	—	Decandria.
—	Polyand.	—	Polyandria.
Diad.	Hexand.	Diadelphia.	Hexandria.
—	Octand.	—	Octandria.
—	Decand.	—	Decandria.
Polyad.	Polyand.	Polyadelphia.	Polyandria.
Polyg.	Æq.	Polygamia.	Æqualis.
—	Super.	—	Superflua.
—	Necess.	—	Necessaria.
—	Frustra.	—	Frustranea.
	Gynand.	Gynandria.	
	Monoec.	Monoecia.	
	Dioec.	Dioecia.	
	Polyg.	Polygamia.	
And	Crypt.	Cryptogamia.	

Mo. Di. Tri. Tetr. Pen. Hex. and Poly. serve also in the orders to express Monogynia, Digynia, Trigynia, Tetragynia, Pentagynia, Hexagynia and Polygynia.

However contrary to the author's wishes, it became necessary, in order to give the volume a more portable appearance, thus to abbreviate, and he is convinced that the scientific Botanist, wanting no such key to the explanation of the Botanical terms, will rather applaud than condemn it.

F L O R A

FLORA BEDFORDIENSIS.

CLASS. I.

I Male. I Female. Mo. Mo.

Mare's-tail. HIPPURIS. Gen. Pl. 15.

Cup none, Blossom none, Stigma simple,
1 Seed.

1. *Common Mare's-tail.* — *H. vulgaris.*

Leaves in eights, awl-shaped. — Curtis.

Fasc. IV. fig. 1. Flora Danica. tab. 87.

Ditches, May, P. Common.

I Male. II Females. Mo. Di.

Starwort. CALLITRICHE. Gen. Pl. 17.

Cup none, Petals 2. Capsule 2-celled, 4 Seeds.

2. *Vernal Starwort.* — *C. verna.*

Upper leaves oval, male and female organs
in separate flowers. — Flora Danica.
129. admirable.

Ditches, April, A. Common.

I Male. II Females. Mo. Di.

3. *Autumnal Starwort.* — *C. autumnalis.*

All the leaves strap-shaped, nicked at the end, male and female organs in the same flower. — Loesel. Fl. Prus. 38.

Ditches, September, A. Common.

Note.

The three foregoing plants are all to be found in the ditches above Bedford, between the Town and Ford-End Farm.

C L A S S. II.

II Males. I Female. Di. Mo.

Privet. LIGUSTRUM. Gen. Pl. 23.

Blossom 4-cleft, Berry containing 4 Seeds.

4. *Common Privet.* — *L. vulgare.*

Curtis. V. 1.

Woods, Hedges, Common, S. June.

Obs :

Leaves ovate, blunt, panicle single or three forked.

Speedwell. VERONICA. Gen. Pl. 32.

Blossom with a border of 4 divisions, lower segment narrowest, Capsule of 2 divisions.

5. *Common Speedwell.* — *V. officinalis.*

Spikes lateral on fruit-stalks, leaves opposite, stem trailing. — Curtis. III. 1. admirable. Woodville. 219.

Mountainous

II Males. I Female. Di. Mo.

Mountainous and Sandy Pastures, P. June,
Rare.

Aspley, — Amptbill, — Clophill.

6. *Smooth Speedwell.* — *V. serpyllifolia.*

Bunch of flowers terminal, resembling a
spike, leaves ovate, smooth, scalloped. —
Curtis. I. 3. admirable.

Moist Meadows and Pastures, May, P.
Common.

7. *Brooklime Speedwell.* — *V. Beccabunga.*

Bunches lateral, leaves flat, ovate, stem
creeping. — Curtis. II. 3.

Ditches and Rivulets, June, A. Common.

8. *Water Speedwell.* — *V. Anagallis.*

Bunches lateral, leaves spear-shaped, serrated,
stem upright. — Curtis. V. 2.

Ditches, July, P. Common.

9. *Narrow-leaved Speedwell.* — *V. scutellata.*

Bunches lateral, little fruit-stalks hanging
down, leaves strap-shaped, seldom tooth-
ed. — Curtis. V. 3.

Turfy Bogs and Marshy Places, July, P. Rare.

Fenlake, — Stevington, — Amptbill.

II Males. I Female. Di. Mo.

Obs :

Stem nearly upright, weak : bunches bearing many flowers, upper segment of the Blossom striped with blue Veins. — Runners of the Root mostly barren, so as not to justify it's being called a creeping Plant.

10. *Germander Speedwell.* — V. Chamædrys.

Bunches lateral, leaves ovate, sitting, wrinkled, toothed, stem hairy on two sides. —

Martyn. 66. admirable. Curtis. I. 2.

Pastures, May, P. Common.

11. *Mountain Speedwell.* — V. montana.

Bunches lateral, with few flowers, cups hairy, leaves ovate, wrinkled, scoloped, on leaf-stalks, stem limber. — Curtis. IV. 2.

Hoffman. Ger. Flo. 1.

Woods and Hedges, May, P. Rare.

Eversbolt.

Obs :

Root greatly creeping, leaves deeply notched, Fruitstalks distinct and very long, flowers paler and fewer than in the Chamædrys.

12. *Garden Speedwell.* — V. agrestis.

Flowers single, leaves heart-shaped, jagged, shorter than the fruit-stalk. — Curtis. I. 1.

Gardens and Fields, May, A. Common.

Wall

II Males. I Female. Di. Mo.

13. *Wall Speedwell*. — *V. arvensis*.

Flowers single, leaves heart-shaped, jagged, longer than the fruit-stalk. — Curtis. II. 2.

Walls and Fields, May, A. Common.

14. *Ivy-leaved Speedwell*. — *V. hederæfolia*.

Flowers single, leaves heart-shaped, flat, 5-lobed. — Curtis. II. 1.

Fields, April, A. Common.

Butterwort. PINGUICULA. Gen. Pl. 40.

Blossom gaping, with a Spur. Cup 2-lipped 5-cleft, capsule 1-celled.

15. *Common Butterwort*. — *P. vulgaris*.

Honey-cup cylindrical, the length of the Petal. — Sowerby. 70. admirable.

Bogs, May, P. Rare.

Amptbill Bogs.

Obs :

This Plant is of singular structure, — Stem bearing only one flower, nodding, blue, gaping, leaves rolled in, with a greasy appearance.

Bladderwort. UTRICULARIA. Gen. Pl. 41.

Blossom gaping, with a Spur. Cup of 2 leaves, equal. Capsule 1-cell.

16. *Common Bladderwort*. — *U. vulgaris*.

Nectary conical, stalk with few flowers. — Sowerby. 253.

Ditches

II Males. I Female. Di. Mo.

Ditches and Stagnant Waters, July, P. Rare.

A Ditch in Bromham Parish.

First found by T. VAUX, Esq.

17. *Small Bladderwort.* — U. minor.

Nectary keeled. — Flora Danica. 128.

Sowerby. 254.

Bogs, June, July, P. Rare.

Amptbill, — Potton Marshes.

Water-Horehound. LYCOPUS. Gen. Pl. 44.

Blossom of four divisions, one segment notched at the end, stamina distant ; Seeds four, rounded.

18. *Common Water-Horehound.* — L. europæus.

Leaves indented and serrated. — Curtis. III. 2.

Banks and Ditches, August, P. Common.

Sage. SALVIA. Gen. Pl. 50.

Blossom unequal. Threads fixed transversely to a little fruit-stalk.

19. *Meadow Sage.* — S. pratensis.

Leaves oblong, heart-shaped, scalloped, upper leaves embracing the stem : Flowers in whorls, almost naked : Helmet gummy in the Blossoms. — Sowerby. 153.

Dry

II Males. I Female. Di. Mo.

Dry Pastures, June, P. very Rare.

A Pasture near Ford-End Farm.

Found by the Rev. T. O. MARSH, F. L. S.

Obs :

Blossom labiate, upper Lip superbly arched, style bent inwards, stigma forked.

20. *Vervain Sage.* — *S. verbenaca.*

Leaves serrated, waved, rather smooth, Blossoms narrower than the Cup. — Sowerby.

154.

Path-ways and Road-sides, June, P. Common.

Enchanter's Nightshade. CIRCÆA. Gen. Pl. 31.

Blossom 2 Petals. Cup 2 leaves, superior: Seed-vessel, 1 or 2 divisions.

21. *Common Enchanter's Nightshade.* — *C. lutetiana.*

Stem upright, bunches of flowers many, leaves ovate. — Curtis. III. 3.

Woods, June, P. Common.

II Males. II Females. Di. Di.

Vernal-Grass. — ANTHOXANTHUM. Gen. Pl. 58.

Cup, Chaff of 2 valves, containing 1 flower; Blossom, a Chaff of 2 valves, pointed. Seed 1.

Sweet

II Males. II Females. Di. Di.

22. *Sweet Vernal-Grass*. — *A. odoratum*.

Spike ovate-oblong, florets on short fruit-stalks, longer than the Beard. — Curtis.

I. 4. Martyn. 23.

Meadows and Pastures, May, P. Common.

C L A S S. III.

III Males. I Female. Tri. Mo.

* *Flowers with Petals*.

Valerian. — VALERIANA. Gen. Pl. 60.

Cup none. Blossom hunched at the base on one side, superior: Seed 1.

23. *Marsh Valerian*. — *V. dioica*.

Flowers diœcious, three-stamen'd, leaves winged, very entire. — Curtis. IV. 3.

Moist Meadows and Marshes, May, P. Rare.

Caldwell, — *Bromham*, near the Mill.

24. *Common Valerian*. — *V. officinalis*.

Flowers three-stamen'd, all the leaves winged. — Curtis. VI.

Woods, June, P. Common.

25. *Corn-Sallad Valerian*. — *V. Locusta*.

Flowers three-stamen'd, stem forked, leaves strap-shaped. — Curtis. V. 4. Martyn. 24.

Corn-fields, April, A. Common.

Flag.

III Males. I Female. Tri. Mo.

Flag. IRIS. Gen. Pl. 79.

Blossoms with 6 divisions, petals alternate, bent back, the Stigmas resembling petals.

26. *Yellow Iris*. — *I. pseudacorus*.

Blossoms not fringed, inner petals smaller than the Stigma, leaves sword-shaped. —

Curtis. III. 4. *Flora Danica*. 494 admirable.

Banks of Rivers and wet Ditches, June, P. Common.

27. *Stinking Gladwin Iris*. — *I. fætidissima*.

Blossoms not fringed, inner petals expanding very much, stem with 1 angle, leaves sword-shaped. — Blackwell. 158.

Hedges, July, P. Rare.

Bromham, — Stevington, — Pavingham.

Obs :

After flowering the triangular Germ opens and the Seeds, which are red adhering to the pericarp. are visible in that situation great part of Autumn and Winter.

** *Flowers without Petals.*

Bog-Rush. SCHÆNUS. Gen. Pl. 92.

Husks chaffy, of 1 valve, rounded, blossom none, Seed 1. roundish within the Husks.

28. *Black Bog-Rush*. — *S. nigricans*.

Straw round, naked, head of flowers ovate, 1 valve of the 2-leaved fence long and awl-shaped.

III Males. I Female. Tri. Mo.

Bogs, July, P. Rare.

Ampthill Moor,—Potton Marshes.

29. *White Bog-Rush.* — *S. albus.*

Straw nearly three-cornered, leafy, flowers in bundles, leaves bristle-shaped. — *Flora Danica.* 320.

Bogs, July, P. Rare.

Ampthill Moor,—Potton,—Aspley.

Club-Rush. SCIRPUS. Gen. Pl. 94.

Husks chaffy, tiled all round. Blossom none:
Seed 1. beardless.

30. *Marsh Club-Rush.* — *S. palustris.*

Straw round, naked; spike terminal and nearly ovate. — *Flora Danica.* 273. *Sow-erby.* 131.

Banks of Rivers and wet Meadows, June, P. Common.

31. *Tall Club-Rush.* — *S. lacustris.*

Straw round, naked, spikes ovate, many in number, on fruit-stalks terminating.

Rivers, Ditches and standing Waters, July, P. Common.

Obs :

A good figure of this Rush would be very desirable.

32. *Dwarf Club-Rush.* — *S. cœspitosus.*

Straw

III Males. I Female. Tri. Mo.

Straw scored, naked, spike terminating with 2 valves the length of the Cup. Roots divided by scales. — Flora Danica. 167.

Bogs and Marshes, July, P. Rare.

Amptbill and Flitton Moors.

33. *Least Club-Rush.* — *S. setaceus.*

Straw bristle-shaped, naked, spikes lateral, sitting, almost double. — Flora Danica. 311.

Wet Places, July, A. Rare.

Amptbill Moor,—Near Bromham Bridge.

Cotton-Grass. ERIOPHORUM. Gen. Pl. 95.

Husks chaffy, tiled all round; Blossom none, Seed 1. surrounded with very long Wool.

34. *Many-headed Cotton-Grass.* — *E. polystachion.*

Straws round, leaves flat, spikes on fruit-stalks. — Curtis. IV. 9.

Bogs, April, P. not uncommon.

Amptbill Moor,—Stevington Bogs.

*** *Flowers Grass-like.*

Mat-Grass. NARDUS. Gen. Pl. 97.

Cup none: Blossom of 2 valves.

35. *Mat Weed.* — *N. stricta.*

III Males. I Female. Tri. Mo.

Spike bristle-shaped, upright, flowering on one side. — Martyn. 27. excellent. Sowerby. 290. well designed.

Heaths, June, P. Common.

III Males. II Females. Tri. Di.

Fox-tail. ALOPECURUS. Gen. Pl. 102.

Cup 2 valves. Blossom 1 valve.

36. *Meadow Fox-tail.* — A. pratensis.

Straw upright, spiked; chaff woolly, blossoms without awns. — Martyn. 6. good. Curtis. V. 5.

Meadows and Pastures, June, P. Common.

37. *Jointed Fox-tail.* — A. geniculatus.

Spiked, straw uninterrupted, blossoms awnless. — Martyn. 97. Curtis. V. 6.

Moist Meadows, sides of Ponds, June, P. Common.

38. *Field Fox-tail.* — A. agrestis.

Spiked, straw upright, husks smooth. — Martyn. 22. Curtis. II. 7. A. myosuroides.

Cornfields, June, A. too common.

Cat's-Tail. PHLEUM. Gen. Pl. 109.

Cup 2 valves, sitting, strap-shaped: lopped. point bifid; blossom 2 valves inclosed.

Meadow

III Males. II Females. Tri. Di.

39. *Meadow Cat's-Tail*. — *P. pratense*.

Spike cylindrical, very long, fringed, straw upright. — Martyn. 5.

Meadows and Pastures, July, P. Common.

Canary-Grass. PHALARIS. Gen. Pl. 106.

Cup of 2 valves, with 1 flower, the small valves nearly equal, blossom very short, stigmas feather-shaped.

40. *Reed Canary-Grass*. — *P. arundinacea*.

Panicle oblong, bellied. — Flora Danica. 259.

Rivers and Ditches, July, P. Common.

Millet-Grass. MILUIM. Gen. Pl. 110.

Cup of 2 valves, with 1 flower, the small valves nearly equal, blossom very short. Stigmas feather-shaped.

41. *Wood Millet-Grass*. — *M. effusum*.

Flowers panicked, scattered, awnless. — Curtis. IV. 12.

Woods, May, P. Common.

Bent-Grass. AGROSTIS. Gen. Pl. 111.

Cup 2 valves, 1 floret, somewhat smaller than the Blossom, Stigmas longitudinally rough with Hair.

III Males. II Females. Tri. Di.

42. *Brown Bent-Grass.* — *A. canina.*

Panicle expanding, Blossom bare, 1 of the valves twice as long as the other, awned: Awn from the back straightish. — Leers. tab. IV. fig. 2.

Heaths and Meadows, July, P. Rare.

Amptbill Warren,—Sandy Heath.

43. *Silky Bent-Grass.* — *A. spica-venti.*

Awn straight, stiff, very long, fixed to the outer petal, panicle expanding.

Cornfields, June, A. Rare.

Ford-End Farm,—Luton Downs.

44. *Creeping Bent-Grass.* — *A. stolonifera.*

Branches of the panicle spreading, naked, culm creeping, cups equal. — Martyn. 120.

Cornfields, July, P. Rare.

St. Leonard's Farm, near Bedford.

45. *Fine Bent-Grass.* — *A. capillaris.*

Panicle hair-like, expanding; cups awl-shaped, equal, rather rough, colored, florets awnless. — Flora Danica. 163.

Pastures and Woods, June, P. Common.

46. *White Bent-Grass.* — *A. alba.*

Panicle loose, cups awnless, equal, straw creeping.

Bogs

III Males. II Females. Tri. Di.

Bogs and wet Meadows, June, P. Common.

Hair-Grass. AIRA. Gen. Pl. 112.

Cup 2 valves, containing 2 florets without the Rudiment of a third between them.

47. *Water Hair-Grass.* — *A. aquatica.*

Panicle expanding, florets awnless, smooth, longer than the cups, leaves flat. — Curtis. I. 5.

Ditches and Road-sides, June, P. Common.

48. *Turfy Hair-Grass.* — *A. cœspitosa.*

Leaves flat, panicle expanding, petals woolly and awned at the base; awn straight, short.

Moist Woods and Pastures, June, P. Common.

49. *Heath Hair-Grass.* — *A. flexuosa.*

Leaves bristle-shaped, straws nearly naked, panicle diverging, fruit-stalk zigzag. — Flora Danica. 147. Leers. V. 1.

Heaths, July, P. Common.

50. *Early Hair-Grass.* — *A. præcox.*

Leaves bristle-shaped, sheaths angular, flowers between panicked and spiked, florets awned at the base. — Curtis. III. 7.

Heaths, April, May, A. Rare.

Amptbill Heath, — *Rowney Warren.*

Obs:

III Males. II Females. Tri. Di.

Obs :

This dwarf Plant seldom attains to the height of more than 3 Inches, is easily ascertained by the prostrate manner of it's growth, and 2 awned spiculæ.

51. *Silver Hair-Grass.* — A caryophyllea.

Leaves bristle-shaped; panicle diverging, florets awned, distant. — Flora Danica.

382. Leers. V. 7. Curtis. VI.

Heaths, July, A. Rare.

Amptbill,—Husborne-Crawley.

Melic-Grass. MELICA. Gen. Pl. 113.

Cup 2 valves, containing 2 florets. Rudiment of a third flower between the florets.

52. *Blue Melic-Grass.* — M. cærulea.

Panicle compact, flowers cylindrical. — Curtis. V. 11.

Moist Heaths, August, P. Rare.

Amptbill.

Obs :

Root fibrous, straw from half a foot to a foot in length, leaves sheathing at short intervals from the bottom of the Straw. Spike loose, anthers purple, spikelets ovate.

53. *Single-flowered Melic-Grass.* — M. uniflora.

Panicle not crowded, cups with 2 florets, 1 hermaphrodite, the other neuter. — Martyn.

64. admirable. Curtis. V. 10.

Woods

III Males. II Females. Tri. Di.

Woods, May, P. Common.

Obs :

Habit of this Grass generally inclining, leaves broad, mostly open, sometimes rolled in : Cup of 2 leaves pointed, concave : Anthers yellow.

Meadow-Grass. PoA. Gen. Pl. 114.

Cup 2 valves, containing many florets. Spikelets ovate, valves skinny-edged, rather pointed.

54. *Water Meadow-Grass.* — *P. aquatica.*

Panicle spreading, spikelets strap-shaped, containing 6 flowers. — Curtis. V. 12. Leers. V. 5.

Banks of Rivers, Ditches, August, P. Common.

Obs :

The most gigantic of all the Meadow-Grasses. Panicle a foot in length, at first close, afterwards spreading, Spikelets ovate, Germ ovate, smooth.

55. *Rough-stalked Meadow-Grass.* — *P. trivialis.*

Panicle spreading, spikelets containing 3 florets, downy at the base, straw straight, round. — Curtis. II. 6. Leers. VI. 2.

Meadows and Pastures, June, P. Common.

D

Narrow-leaved

III Males. II Females. Tri. Di.

56. *Narrow-leaved Meadow-Grass.* — *P. angustifolia.*

Panicle spreading, spikelets containing 4 florets, downy, straw straight, round. — Leers. VI. 3.

Woods and Hedges, June, P. Rare.

Clapham Lane.

57. *Smooth Meadow-Grass.* — *P. pratensis.*

Panicle spreading, spikelets containing 5 florets, smooth, straw straight, round. — Curtis. II. 5.

Walls and Meadows, May, June, P. Common.

58. *Annual Meadow-Grass.* — *P. annua.*

Panicle spreading horizontally, spikelets blunt, straw obliquely compressed. — Curtis. I. 6. admirable. Martyn. 98.

Meadows and Road-sides, April, A. Common.

59. *Hard Meadow-Grass:* — *P. rigida.*

Panicle spear-shaped, somewhat branched, flowering on one side, branches alternate, flowering on one side. — Curtis. II. 4.

Walls and dry Places, May, A. Common.

60. *Flat-stalked Meadow-Grass.* — *P. compressa.*

Panicle flowering on one side, compact, straw oblique, compressed. — Flora Danica.

742. Sowerby. 365. Leers. V. 4.

Walls

III Males. II Females. Tri. Di.

Walls, June, P. Common.

61. *Wood Meadow-Grass*. — *P. nemoralis*.

Panicle tapering, spikelets nearly three-flowered, pointed, rough, straw bent inwards. — *Flora Danica*. 749. *Leers*. V. 3.

Woods, June, P. Rare.

Clapham-Park Wood.

62. *Loose Meadow-Grass*. — *P. distans*.

Panicle with subdivided branches, spikelets containing 5 florets, florets distant, blunt. — *P. retroflexa*. *Curtis*. VI.

Watery Places, June, P. Rare.

Clapham Lane.

63. *Crested Meadow-Grass*. — *P. cristata*.

Panicle spiked, cups somewhat hairy, about 4 florets in each, longer than the fruit-stalk, petals awned. *Leers*. V. 6.

Dry Pastures, June, P. Common.

Quaking-Grass. *BRIZA*. *Gen. Pl.* 115.

Cup 2 valves, containing many florets, little spikes in 2 rows, valves heart-shaped, blunt, inner valve smallest.

64. *Middle Quaking-Grass*. — *B. media*.

Spikelets ovate, cup shorter than the florets. — *Flora Danica*. 258. *Sowerby*. 340. *Martyn*. 39.

III Males. II Females. Tri. Di.

Dry Meadows and Pastures, July, P. Common.

Cock's-foot-Grass. DACTYLIS. Gen. Pl. 117.

Cup 2 valves flat, 1 valve larger, keeled.

65. *Rough Cock's-foot-Grass.* — *D. glomerata.*

Panicle crowded, flowering on one side. —

Sowerby. 335. Martyn. 14.

Meadows, Pastures, July, P. Common.

Fescue-Grass. FESTUCA. Gen. Pl. 119.

Cup 2 valves, spikelet oblong, almost cylindrical, chaff pointed.

66. *Sheep's Fescue-Grass.* — *F. ovina.*

Panicle flowering on one side, compact, awned, straw four-square, almost naked, leaves bristle-shaped. — Leers. VIII. 3. Martyn. 102. admirable.

Dry Pastures, June, July, P. Common.

67. *Hard Fescue-Grass.* — *F. duriuscula.*

Panicle flowering on one side, oblong : spikelets oblong, smooth, leaves bristle-shaped. — Sowerby. 470. Flora Danica. 848.

Dry Pastures, June, July, P. Common.

68. *Purple Fescue-Grass.* — *F. rubra.*

Panicle

III Males. II Females. Tri. Di.

Panicle flowering on one side, rough : spikelets containing 6 florets, awned ; last floret awnless, culm half cylindrical. — Stillingfleet. tab. IX. Leers. VIII. 1.

Hills, July, P. Rare.

Luton Downs,—Barton Hill.

69. *Wall Fescue-Grass.* — *F. myurus.*

Panicle spiked, cups very small, awnless : florets rough, awns long. — Leers. III. 5.

Walls, May, A. Rare.

Oakley Walls.

70. *Meadow Fescue-Grass.* — *F. pratensis.*

Panicle flowering on one side, oblique : spikelets nearly strap-shaped, awnless, leaves flat. — Martyn. 84. Curtis. VI.

Meadows, June, July, P. Common.

71. *Tall Fescue-Grass.* — *F. elatior.*

Panicle spreading, spikelets ovate, pointed, leaves broad. — Leers. VIII. 6. Curtis. VI.

Meadows and Pastures, June, July, P. Common.

72. *Flote Fescue-Grass.* — *F. fluitans.*

Panicle branched, straight, spikelets nearly sitting, cylindrical, awnless. — Curtis. I. 7. admirable. Martyn. 113.

Wet

III Males. II Females. Tri. Di.

Wet Ditches and Ponds, June, P. Common.

Obs :

The most succulent of the Grass tribe, affording an excellent Fodder for Cattle.

73. *Decumbent Fescue-Grass.* — *F. decumbens.*

Panicle straight, spikelets nearly ovate, awnless, cup larger than the florets, straw leaning. — *Flora Danica.* 162.

Pastures and dry Heaths, July, P. Rare.

Mouse's Pasture, near Bromham.

74. *Wood Fescue-Grass.* — *F. sylvatica.*

Spiked, spikelets alternate in 2 rows, sitting, awned. — *Flora Danica.* 164.

Woods and Hedges, July, P. Common.

75. *Spiked Fescue-Grass.* — *F. pinnata.*

Spiked, nearly 2-rowed, spikelets alternate, round, nearly awned. — *Leers.* X. 3.

Hedges, July, P. Rare.

Clapham between Woods.

Obs :

Joints smooth, silvery, spikelets not (as in the preceding) pressed close to the spike-stalk, but very distant.

Brome Grass. BROMUS. *Gen. Pl.* 120.

Cup of 2 valves, spikelet oblong, cylindrical, in 2 rows. Awns arising from beneath the End.

76. *Field Brome-Grass.* — *B. secalinus.*

Broom

III Males. II Females. Tri. Di.

Panicle expanding, spikelets ovate, awns straight, seeds distinct. Leers. XI. 2.

Cornfields, May, A. Rare.

Bury Field, near Bedford.

77. *Soft Brome-Grass.* — *B. mollis.*

Panicle rather straight, spikelets ovate, downy. Awns straight, leaves woolly, very soft. — Curtis. I. 8. Martyn. 99.

Walls, Pastures, May, A. Common.

78. *Corn Brome-Grass.* — *B. arvensis.*

Panicle nodding, spikelets ovate-oblong. — Flora Danica. 293. Leers. XI. 3.

Pastures, June, P. Rare.

Bromham-Grange Farm.

79. *Barren Brome-Grass.* — *B. sterilis.*

Panicle spreading, spikelets oblong, in two rows, chaff with awl-shaped awns. — Curtis.

I. 9. Martyn. 125.

Walls and Hedges, June, A. Common.

80. *Rough Brome-Grass.* — *B. hirsutus.*

Panicle nodding, rough, spikelets strap-shaped, containing 10 florets, awns straight, sheaths of the leaves hairy. — Curtis. II. 8. Martyn. 126.

Woods, Hedges, July, P. Common.

Tall

III Males. II Females. Tri. Di.

81. *Tall Brome-Grass.* — *B. giganteus.*

Panicle nodding, spikelets with 4 florets, shorter than the awns. — Curtis. V. 7. Leers. X. 1.

Woods and Hedges, July, P. Rare.

Bromham, — Hazel-wood Lane.

Oat-Grass. AVENA. Gen. Pl. 122.

Cup of 2 valves, many-flowered, with a twisted awn on the back.

82. *Bearded Oat-Grass.* — *A. fatua.*

Panicked, cup with 3 florets, all awned and hairy at the base. — Martyn. 81. admirable. Leers. IX. 4.

Cornfields, July, A. Common.

83. *Rough Oat-Grass.* — *A. pubescens.*

Almost spiked, cups with about 3 florets, hairy at the base, leaves flat, downy. — Ray's Synopsis. tab. XXI. fig. 2.

Pastures, June, P. Common.

84. *Meadow Oat-Grass.* — *A. pratensis.*

Panicle undivided, chaff with 5 florets, leaves rolled in, naked. — Ray's Synopsis. XXI. 1.

Dry Pastures, July, P. Common.

Yellow

III Males. II Females. Tri. Di.

85. *Yellow Oat-Grass*. — *A. flavescens*.

Panicle loose, cups short, 3 florets in each, all awned. — Curtis III. 5. Martyn 112.

Meadows, Pastures, June, P. Common.

86. *Tall Oat-Grass*. — *A. elatior*.

Panicled, cups with 2 florets, the one with both male and female organs nearly awnless ; the other with only male, awned. — Curtis. III. 6. Martyn. 7.

Obs :

I have observed with regret this Plant arranged with the Holci, it were better, if Linnæus must be departed from, to return the Holci to their natural station amongst the triandrous Grasses.

Reed-Grass. ARUNDO. Gen. Pl. 1201.

Cup, 2 valves. Florets crowded, surrounded with wool.

87. *Common Reed-Grass*. — *A Phragmites*.

Panicle loose, cups with 5 florets. — Sowerby. 401.

Wet Ditches and Banks of Rivers, July, P. Common.

88. *Wood Reed-Grass*. — *A Calamagrostis*.

Cups with 1 floret, smooth. Blossoms downy, straw branched. — Flora Danica. 280. Sowerby. 403.

III Males. II Females. Tri. Di.

Woods, June, P. Rare.

Sheer-hatch Wood.

89. *Small Reed-Grass.* — *A. epigejos.*

Cups with 1 floret, panicle straight, leaves smooth underneath. — Sowerby. 402.

Woods, July, P. Rare.

Maulden Wood.

Darnel-Grass. *LOLIUM.* Gen. Pl. 126.

Cup 1 leaf fixed, containing 1 floret.

90. *Perennial Darnel-Grass.* — *L. perenne.*

Spike awnless, spikelets flat, with many flowers. — Sowerby. 315. Martyn. 4.

Pastures, June, P. Common.

91. *White Darnel-Grass.* *L. temulentum.*

Spike awned, spikelets flat, with many flowers. — Leers. XII. 2. Martyn. 33.

Cornfields, July, A. Rare.

Near Fenlake.

Barley. *HORDEUM.* Gen. Pl. 129.

Cup lateral, 2 valves, 1 floret : Cup trifid.

92. *Wall Barley.* — *H. murinum.*

Florets on the side, male ones awned, intermediate fences fringed. — Curtis. V. 9. Martyn. 43.

Walls

III Males. II Females. Tri. Di.

Walls and Road-sides, June, P. Common.

93. *Wood-Barley*. — *H. sylvaticum*.

All the florets with male and female organs, awned: fences growing together at the base, shorter than the awn. — Martyn. 45.

Woods, June, P. Rare.

Thurleigh,—*Putnoe Woods*.

94. *Meadow-Barley*. — *H. pratense*.

Florets on the side, male ones awnless, fences bristle-shaped, rough. — Martyn. 108. Sowerby. 409.

Meadows, Pastures, June, P. Common.

Wheat-Grass. TRITICUM Gen. Pl. 130.

Cup of 2 valves, solitary, containing about 3 florets, flowers bluntish, tapering.

95. *Creeping Wheat-Grass*. — *T. repens*.

Cups with 4 florets, awl-shaped, pointed, leaves flat. — Martyn. 124.

Fields, July, P. too common.

96. *Bearded Wheat-Grass*. — *T. caninum*.

Cups awl-shaped with nearly 4 florets, florets awned.

Woods, Hedges, July, P. Common.

Dog's-tail-Grass. CYNOSURUS Gen. Pl. 118.

III Males. II Females. Tri. Di.

Cup of 2 valves, many florets, proper receptacle leafy, fixed to the side.

97 *Crested Dog's-tail-Grass*. — *C. cristatus*.

Floral leaves with winged clefts. — Martyn. 106. Sowerby. 316.

Meadows and Pastures, June, P. Common.

III Males. III Females. Tri. Tri.

Blinks. MONTIA. Gen. Pl. 133.

Cup 2 leaves : Blossom 1 petal, irregular : Capsule 1-celled, 3-valved.

98. *Water Chickweed or Blinks*. — *M. fontana*.

Curtis. III. 8.

Wet Places, May, A. Rare.

Amptbill Moor,—Potton Marshes.

Obs :

Leaves oblong, growing together, sharpish at the points. Root creeping, very fibrous. Flowers minute, seldom entirely open, whence it's English name (Blinks) and the buds nod before blowing.

C L A S S. IV.

IV Males. I Female. Tetr. Mo.

Teasel. DIPSACUS. Gen. Pl. 148.

Common cup of many leaves, proper cup superior : Receptacle chaffy.

Wild

IV Males. I Female. Tetr. Mo.

99. *Wild Teasel*. — *D. sylvestris*.

Leaves entire, chaff straight. — Curtis. III. 9.

Hedges and Road-sides, July, P. Common.

100. *Small Teasel or Shepherd's Rod*. — *D. pilosus*.

Leaves on leaf-stalks with appendages. —

Curtis. I. 10.

Wet Hedges, July, B. Rare.

Kempston,—Medbury,—Goldington.

Obs :

Height of the Plant from 3 to 6 feet or more. Heads less than in the preceding, not thorny, whitish, with dull-purplish Anthers, stem prickly all the way up : terminal Head solitary in the Fork of the main Branch.

Scabious. SCABIOSA. Gen. Pl. 149.

Common cup of many leaves, proper cup double, superior: receptacle chaffy or naked.

101. *Devil's-bit Scabious*. — *S. succisa*.

Blossoms with 4 equal segments, stem undivided, branches approaching, leaves between lance-shaped and ovate. — Curtis. III. 10.

Moist Woods and Fields, July, P. Common.

102. *Field Scabious*. — *S. arvensis*.

Blossoms with 4 segments, radiate, leaves winged, jagged, stem rough with hair. — Curtis. IV. 13.

Cornfields

IV Males. I Female. Tetr. Mo.

Cornfields and Pastures, June, P. Common.

103. *Small Scabious*. — *S. Columbaria*.

Blossoms with 5 segments, radiate, leaves at the root ovate, notched, stem-leaves winged, bristle-shaped, — *Flora Danica*. 314.

Mountainous Pastures, June, P. Common.

Chaff-weed. CENTUNCULUS.

Cup with 4 segments, blossom uniform, open: Threads short, seed-vessel cut round as in the Genus *Anagallis* with this difference, it has a pointed beak.

104. *Pimpernel Chaff-weed*. — *C. minimus*.

Vaillant. tab. IV. 2. Curtis. III. 11. admirable.

Boggy Ground, July, A. Rare.

Ampthill Moor.

Obs:

Flowers sitting in the wings of the leaves, flesh-color'd, very seldom expanded, leaves ovate, sharp. The whole Plant varies in stature from half an Inch to 3 Inches.

Plantain. PLANTAGO. Gen. Pl. 186.

Cup with 4 segments, blossom uniform, with the border reflected. Threads very long, seed-vessel 2-celled, cut round.

105. *Great-Plantain*. — *P. major*.

Leaves

IV Males. I Female. Tetr. Mo.

Leaves ovate, smooth, stalk round, spike tiled with blossoms. — Curtis. II. 11.

Pastures and Road-sides, June, P. Common.

106. *Middle-Plantain*. — P. media.

Leaves between ovate and spear-shaped, downy, spike and stalk cylindrical. — Flora Danica. 581. Curtis. IV. 14.

Pastures, June, P. Common.

107. *Ribwort-Plantain*. — P. lanceolata.

Leaves spear-shaped, spike naked, nearly ovate, stem angular. — Martyn. 67. admirable, Curtis. II. 10.

Woods and Pastures, June, P. Common.

108. *Bucks-horn-Plantain*. — P. Coronopus.

Leaves strap-shaped, toothed, stem cylindrical. — Flora. Danica. 272.

Sandy Fields, June, A. Rare.

Amptbill,—*Aspley*.

Bloodwort. SANGUISORBA. Gen. Pl. 190.

Cup 2-leaved. Germ between the cup and blossom.

109. *Burnet-Bloodwort*. — S. officinalis.

Spikes ovate. — Flora Danica. 97. Martyn. 142.

Moist Meadows, July, P. Rare.

Brombam,—*Fenlake*,—*Cow Meadows*.

Field

III Males. I Female. Tetr. Mo.

Field Madder. SHERARDIA. Gen. Pl. 156.

Blossom 1 petal, funnel-shaped, seeds 2, with 3 teeth.

110. *Little Field-Madder.* — *S. arvensis.*

All the leaves whorled, flowers terminal. — Curtis. V. 13. *Flora Danica*, 439. admirable.

Cornfields, June, A. Rare.

Clapham Hill,—Aspley,—Amptbill Warren.

Woodruff. ASPERULA. Gen. Pl. 157.

Blossom 1 petal, funnel-shaped. Seeds 2, round.

111. *Sweet Woodruff.* — *A. odorata.*

Leaves eight at a joint, lance-shaped, flowers in bundles on fruit-stalks. — Curtis. IV. 15. Blackwell. 60.

Woods, May, P. Rare.

Aspley,—King's Wood, near Amptbill.

Obs :

Root truly creeping. Leaves in whorls 6, 7, or even 8 at a joint, between ovate and spear shaped, flowers white, crowded, smelling like new-mown hay.

112. *Squinancy Woodruff.* — *A. cynanchica.*

Leaves in fours, strap-shaped, upper ones opposite, stem upright, flowers with 4 segments.

Sowerby.

IV Males. I Female. Tetr. Mo.

Sowerby. 33. admirable.

Chalky Hills, July, P. Rare.

Dunstable,—Barton.

Obs :

The stems trail among grass, leaves differing in length. Flowers blush-colored, mouth striped with red veins, upper leaves 3 at a joint, or even 2.

Bedstraw. GALIUM. Gen. Pl. 162.

Blossom 1 petal, flat. Seeds 2, roundish.

113. *White Bedstraw.* — *G. palustre.*

Leaves in fours, roundish-ovate, unequal, stem spreading. — *Flora Danica.* 423. admirable.

Wet Ditches, July, P. Common.

114. *Marsh Bedstraw.* — *G. uliginosum.*

Leaves in sixes, spear-shaped, with prickly serratures bowed back, pointed, stiff, blossoms larger than the seed. — *Petiver. tab. XXX. fig. 6.*

Bogs, July, P. Rare.

Amptbill,—Potton,—Stevington.

115. *Smooth Bedstraw.* — *G. spurium.*

Leaves in sixes, spear-shaped, keeled, rough with prickles pointing backwards, joints simple, fruit smooth. — *Vaillant. IV. 3.*

Cornfields, June, A. Common.

F

Trailing

IV Males. I Female. Tetr. Mo.

116. *Trailing Bedstraw*. — *G. procumbens*.

Leaves in sixes, round, ovate, pointed, smooth, stem prostrate, fruit-stalks trebly forked. — Petiver. XXX. 6.

Heaths, June, P. Rare.

Amptbill,—Sandy Warren.

117. *Yellow Bedstraw*. — *G. verum*.

Leaves in eights, strap-shaped, furrowed, flowering branches short. — Martyn. 54. Curtis. VI. 13.

Pastures, July, P. Common.

118. *Great Bedstraw*. — *G. Mollugo*.

Leaves in eights, ovate-strap-shaped, almost serrated, very open, pointed. Stem weak, branches spreading. — Flora Danica. 455. admirable.

Hedges, July, P. Common.

119. *Cleavers Bedstraw*. — *G. Aparine*.

Leaves in eights, spear-shaped, keels rough, prickles pointed backward, joints woolly, fruit rough. — Curtis. II. 9. Martyn. 104. Flora Danica. 495. admirable.

Hedges and Cornfields, July, A. Common.

120. *Upright Bedstraw*. — *G. erectum*.

Leaves

IV Males. I Female. Tetr. Mo.

Leaves in eights, smooth, spear-shaped, pointed, stem nearly erect, terminal panicle with forked fruit-stalks. — Jacquin Flora Austr. tab. 80.

Woods and Pastures, June, P. Rare.

Ford End, — Woods near Dunstable.

121. *Least Bedstraw.* — *G. pusillum.*

Leaves about eight in a whorl, rough, strap-shaped, pointed, fruit-stalks forked, fruit smooth. — Sowerby. 74. admirable.

Fields, July, P. Rare.

Shefford.

Obs :

The whorls of the leaves at the Root are very compact, habit of the plant rather rigid. Flowers more elegant than in the rest of the Family.

Cornel. CORNUS. Gen. Pl. 194.

Fence often four-leaved. Petals 4, superior, nut of 2 cells, covered with a pulp.

122. *Female Cornel.* — *C. sanguinea.*

Branches upright, leaves ovate, of an uniform colour, Cymes flat. — Flora Danica. 481. Sowerby. 249. admirable.

Woods and Hedges, June, P. Common.

Ladies-Mantle. ALCHEMILLA. Gen. Pl. 222.

Cup eight divisions. Blossom none, 1 seed.

IV Males. I Female. Tetr. Mo.

123. *Common Ladies-Mantle.* — *A. vulgaris.*
 Leaves lobed. — *Flora Danica.* 693. Black-
 well. 72. (*See our fig. No. I.*)
 Dry Pastures, June, P. Rare.

Whipsnade, — Eversholt.

Obs :

Of all our Natives this is the most elegant Plant. The leaves most simply, yet beautifully plaited, flowers palish-green, of a grassy colour.

124. *Pursley-Piert Ladies-Mantle.* — *A. Aphanes.*
 Hairy, leaves having three lobes, which are
 twice or thrice subdivided. — *Petiver.* IX.
 12.
 Fields, May, A. Common.

IV Males. II Females. Tetr. Di.

Dodder. CUSCUTA. Gen. Pl. 227.

Cup 4 segments. Blossom 1 petal. Capsule
 2-celled.

125. *Great Dodder.* — *C. europæa.*
 Flowers nearly sitting, blossom without
 scales, stigma simple. — *Sowerby.* 378. ad-
 mirable.
 Nettles, Beans, &c. July, A Common.

126. *Least Dodder.* — *C. epithymum.*
 Flowers sitting, a fringed scale close at the
 base of each stamen, Stigmas simple. —
Sowerby. 55. admirable.

On





IV Males. II Females. Tetr. Di.

On Mother of Thyme, Heath, &c. June,
A. Rare.

Amptbill Warren,—Barton Hill.

IV Males. IV Females. Tetr. Tetr.

Holly. ILEX. Gen. Pl. 232.

Cup with 4 teeth, blossom wheel-shaped,
style none. Berry containing 4 seeds.

127. *Common Holly.* — I. aquifolium.

Leaves ovate, sharp, thorny. — Flora Danica.
508.

Hills and Woods, S. Rare.

Aspley.

Pondweed. POTAMOGETON. Gen. Pl. 234.

Cup none, petals 4, style none, seeds 4.

128. *Floating Pondweed.* — P. natans,

Leaves oblong-ovate, on leaf-stalks, float-
ing. — Flora Danica. 165.

Ditches and Rivers, July, P. Common.

129. *Perfoliate Pondweed.* — P. perfoliatum.

Leaves heart-shaped, embracing the stem. —
Sowerby. 168.

Rivers, July, P. Common.

130. *Shining Pondweed.* — P. lucens.

Leaves

IV Males. IV Females. Tetr. Tetr.

Leaves spear-shaped, flat, ending in leaf-stalks. — Flora Danica. 195. Sowerby. 376.

Rivers, July, P. Common.

131. *Forked Pondweed*. — *P. densum*.

Leaves ovate, pointed, opposite, crowded, stems forked, spike containing 4 flowers. — Sowerby. 397.

Ditches, June, P. Rare.

Ford-End.

Obs :

One flower arises from the fork of the stem, sitting on a short fruit-stalk, and resembles the flower of the Adoxa.

132. *Flat-stalked Pondweed*. — *P. compressum*.

Leaves strap-shaped, blunt, stem flattened. — Flora Danica. 203. Sowerby. 418.

Ditches, June P. Rare.

Ditch near Fenlake Osier-bolts.

133. *Curled Pondweed*. — *P. crispum*.

Leaves spear-shaped, alternate or opposite, waved, serrated. — Curtis. V. 15. admirable.

Rivers and Ponds, June. P. Common.

134. *Fennel-leaved Pondweed*. — *P. pectinatum*.

Leaves bristle-shaped, parallel, approaching, in 2 rows. — Sowerby. 323.

Rivers

IV Males. IV Females. Tetr. Tetr.

Rivers and Ditches, June, P. Rare.

Ditch near Fenlake Osier-bolts.

135. *Least Pondweed.* — *P. pusillum.*

Leaves strap-shaped, opposite and alternate, separate, open at the base, stem round. — Sowerby. 215.

Ditches and Ponds, that communicate with the main River, June, P. Common.

Pearlwort. SAGINA. Gen. Pl. 236.

Cup of 4 leaves. Petals 4. Seed-vessel 1-celled, 4-valved : many seeded.

136. *Procumbent Pearlwort.* — *S. procumbens.*

Branches trailing. — Curtis. III. 12.

Moist situations on Heaths, July, P. Common.

137. *Apetalous Pearlwort.* — *S. apetala.*

Stem rather upright, downy, flowers alternate, without petals. — Curtis. V. 14.

Walls, June, A. Rare.

Market-Street, near Dunstable.

Obs :

Stem erect from 1 and a half to 3 Inches high. Petals very minute, four, nicked, almost heart-shaped ; Segments of the cup ovate, concave.

Upright

IV Males. IV Females. Tetr. Tetr.

138. *Upright Pearlwort*. — *S. erecta*.

Stem erect, with seldom more than one flower. — Curtis. II. 12. admirable.

Heaths, April, A. Rare.

Clophill and Amptbill Warrens.

Obs :

Stem erect 3 or 4 Inches high, root fibrous, leaves springing together, sea-green, strap-shaped, sharp ; Segments of the cup sharpish : Petals 4, larger than in the other Species, yet shorter than the cup.

C L A S S. V.

V Males. I Female. Pen. Mo.

Scorpion-Grass. MYOSOTIS. Gen. Pl. 240.

Blossom salver-shaped, 5 divisions, nicked ; mouth closed with vaulted Roofs.

139. *Marsh Scorpion-Grass*. — *M. palustris*.

Cups roundish-oval, blunt, leaves spear-shaped. — Curtis. III. 13.

Ditches, June, P. Common.

140. *Field Scorpion-Grass*. — *M. arvensis*.

Seeds smooth, points of the leaves callous.—
Flora Danica. 583.

Cornfields, May, A. Common.

Gromill.

V Males. I Female. Pen. Mo.

Gromill. LITHOSPERMUM. Gen. Pl. 241.

Blossom funnel-shaped : open and naked at the mouth. Cup in five divisions.

141. *Common Gromill.* — *L. officinale.*

Seeds smooth, blossoms hardly exceeding the cup in length. — Sowerby. 134. Woodville. 213.

Hedges and Road-sides, May, P. Rare.

Newenham Wall.

142. *Corn Gromill.* — *L. arvense.*

Seeds rough, blossoms hardly exceeding the cup in length. — Flora Danica. 456. Sowerby. 123.

Cornfields, May, A. Common.

Hound's-tongue. CYNOGLOSSUM. Gen. Pl. 243.

Blossom funnel-shaped. Mouth closed by vaulted roofs.

143. *Common Hound's-tongue.* — *C. officinale.*

Threads shorter than the blossom, leaves broad, spear-shaped, downy, sitting.—Curtis. IV. 16. Woodville. 216.

Road-sides, June, P. Common.

Lungwort. PULMONARIA. Gen. Pl.

Blossom funnel-shaped, mouth with a passage. Cup a prism of 5 angles.

V Males. I Female. Pen. Mo.

144. *Broad-leaved Lungwort.* — *P. officinalis.*

Root leaves between ovate and heart-shaped, rough. — Sowerby. 118. Woodville. 212.

Woods and Hedges, April, P. Rare.

Between Thurleigh and Milton-Errys.

Obs :

Leaves spotted with white.

Comfrey. SYMPHYTUM. Gen. Pl. 245.

Border of the blossom between tubular and bellying, the mouth closed with awl-shaped rays.

145. *Common Comfrey.* — *S. officinale.*

Leaves between ovate and lance-shaped, running down the stem, cup closing the whole length of the blossom's tube. — Curtis. IV. 18. Woodville. 215.

Banks of Rivers, May, P. Rare.

Banks of the Ouse.

146. *Red Comfrey.* — *S. patens.*

Leaves between ovate and lance-shaped, running down the stem, cup open, shorter than the tube of the blossom.

Ditch Banks, June, P. Rare.

Banks of the Ouse.

Borage.

V Males. I Female. Pen. Mo.

Borage. BORAGO. Gen. Pl. 248.

Blossom wheel-shaped : Mouth closed with rays.

147. *Common Borage.* — B. officinalis.

All the leaves alternate, cups expanding. — Sowerby. 217.

Road-sides, May, A. Rare.

Duck Mill, Bedford,—Amptill Warren.

Bugloss. LYCOPSIS. Gen. Pl. 250.

Blossom with a bent tube.

148. *Wild Bugloss.* — L. arvensis.

Leaves spear-shaped, rough with hair, cups when in flower erect. — Curtis. V. 17. Flora Danica. 435. admirable.

Cornfields, June, A. Common.

Viper's Bugloss. ECHIU. Gen. Pl. 251.

Blossom irregular. Mouth naked.

149. *Common Viper's Bugloss.* — E. vulgare.

Stem rough with hairy tubercles, stem leaves spear-shaped, rough with hair, flowers in spikes lateral. — Martyn. 136. Flora Danica. 445.

Cornfields, June, B. Common.

V Males. I Female. Pen. Mo.

Primrose. PRIMULA. Gen. Pl. 258.

A small umbel with a fence. Tube of the blossom cylindrical, mouth expanding.

150. *Common Primrose.* — *P. acaulis.*

Stemless, leaves wrinkled, toothed, hairy underneath, stalk with one flower. — Curtis.

VI. 16. Sowerby. 4. admirable.

Woods and Hedges, March, P. Common.

151. *Cowslip.* — *P. officinalis.*

Leaves wrinkled, toothed, hairy underneath, stalks with many flowers, nodding, border of the blossom short. — Curtis. VI. 15. Sowerby. V. admirable.

Pastures, April, P. Common.

152. *Oxlip.* — *P. elatior.*

Leaves wrinkled, toothed, hairy, stalks with many flowers, outermost flower nodding. central one upright. — Flora Danica. 434.

Woods and Thickets, April, P. Common.

Buck-bean. MENYANTHES. Gen. Pl. 253.

Blossom hairy, stigma bifid, capsule 1-celled.

153. *Common Buck-bean.* — *M. trifoliata.*

Leaves in threes. Curtis. IV. 17. Sowerby. 495.

Boggy Places, May P. Rare.

Paradise

V Males. I Female. Pen. Mo.

*Paradise, near Bedford,—Biddenham South Field
opposite Kempston Church,—Ampthill Moor.*

Obs :

*Blossom elegantly fringed, the red and white forming a most
exquisite contrast.*

Hottonia. HOTTONIA. Gen. Pl. 265.

Blossom salver-shaped, threads fastened to
the tube of the blossom. Capsule 1-celled.

154. *Water Violet.* — *H. palustris.*

Fruit-stalk whorled, with many flowers.—

Curtis. I. 11. admirable. Sowerby. 364.

Ditches, May, P. Rare.

Potton Marshes,—Eaton-Socon Mills.

Loosestrife. LYSIMACHIA. Gen. Pl. 269.

Blossom wheel-shaped, capsule globose,
pointed, with 10 valves.

155. *Common Loosestrife.* — *L. vulgaris.*

Panicled, bunches terminal. — Curtis. V. 19.

Watery Places, July, P. Common.

156. *Wood Loosestrife.* — *L. nemorum.*

Leaves ovate, sharp, flowers solitary, stem
trailing. — Curtis. V. 18.

Woods, June. P. Rare.

Aspley Wood.

Obs :

V Males. I Female. Pen. Mo.

Obs :

Plant trailing, root creeping : Flowers large, deep yellow. Capsule globular, without the sphaerical scissure, therefore a true Lysimachia.

157. *Moneywort Loosestrife.* — *L. nummularia.*

Leaves nearly heart-shaped, flowers solitary, stem creeping. — Curtis. III. 14.

Wet Meadows and Ditches, June, P. Common.

Pimpernel. ANAGALLIS. Gen. Pl. 270.

Blossom wheel-shaped. Capsule cut round.

158. *Common Pimpernel.* — *A. arvensis.*

Leaves entire, stem trailing. — Curtis. I. 12.

Cornfields, May, A. Common.

159. *Blue Pimpernel.* — *A. cœrulea.*

Leaves between ovate and spear-shaped, segments of the cup more sharply pointed. —

Hoffman. Blackwell. 274.

Cornfields, May, A. Rare.

Oakley West Field,—Barton Hill.

Obs :

Petals nicked, sometimes undulated, and deeply serrated. It were vain to attempt a description of the elegance of colour and habit in this little rare Plant.

160. *Bog Pimpernel.* — *A. tenella.*

Leaves ovate, sharpish, stem creeping. —

Curtis. III. 15.

Bogs

V Males. I Female. Pen. Mo.

Bogs, June, P. Rare.

Stevington Bogs,—Amptbill Moor.

Obs :

Root fibrous, branches produce small fibres towards the center, and take hold of the Ground. Leaves small, opposite, sharp, round. Flowers bell-shaped, small, flesh-colored.

Chironia. CHIRONIA. Gen. Pl. 349.

Blossom wheel-shaped. Female organ bowed down. Threads sitting on the tube of the blossom, anthers corkscrew-shaped, capsule 2-celled.

161. *Common Centaury.* — *C. Centaurium.*

Blossoms with 5 segments, funnel-shaped, stem forked, female organ single. — Curtis.

IV. 22. Sowerby. 417.

Pastures, July, A. Common.

Bindweed. CONVULVULUS. Gen. Pl. 287.

Blossom bell-shaped, plaited. Stigmas 2. Capsule 2-celled, each 2-seeded.

162. *Field Bindweed.* — *C. arvensis.*

Leaves arrow-shaped, pointed on each side, fruitstalks with about 1 flower. — Curtis.

II. 13. Sowerby. 313.

Fields, June, P. Common.

Great

V Males. I Female. Pen. Mo.

163. *Great Bindweed.* — *C. sepium.*

Leaves arrow-shaped, lopped behind, fruit-stalks square with 1 flower. — Curtis. I. 13. Sowerby. 312.

Hedges, July, P. Common.

Bell-flower. CAMPANULA. Gen. Pl. 290.

Blossom bell-shaped, closed at the bottom by thread-bearing valves. Stigma trifid. Capsule inferior, opening by lateral orifices.

164. *Round-leaved Bell-flower.* — *C. rotundifolia.*

Root leaves kidney-shaped, stem leaves strap-shaped. — Curtis. IV. 21.

Heaths and dry Pastures, June, P. Common.

165. *Giant-Throatwort Bell-flower.* — *C. latifolia.*

Leaves ovate-spear-shaped, stem very simple, round, flowers single, on fruit-stalks, capsules nodding. — Sowerby. 302.

Woods and Hedges, July, P. Rare.

Whipsnade near Dunstable, — *Studham Common.*

Obs :

Root milky, stem 5 feet high, slightly angular, crowded with leaves. Blossom splendid purple, leaves of the cup slightly serrated.

166. *Throatwort Bell-flower.* — *C. Trachelium.*

Stem angular, leaves on leaf-stalks, cups fringed, fruit-stalks in threes. — Sowerby. 12.

Woods

V Males. I Female. Pen. Mo.

Woods and Hedges, July, P. Common.

167. *Clustered Bell-flower*. — *C. glomerata*.

Stem angular, simple, flowers sitting, head terminating. — Sowerby. 290. admirable.

Heaths and dry Places, July, P. Common.

168. *Corn Bell-flower*. — *C. hybrida*.

Stem somewhat branched at the base, straight, leaves oblong, crenated, cups incorporated, longer than the Blossom, capsules shaped like a prism. — Sowerby. 375. admirable.

Cornfields, June, A. Common.

Brookweed. SAMOLUS. Gen. Pl. 294.

Blossom salver-shaped. Threads defended by the scales of the blossom. Capsule 1-celled, inferior.

169. *Pimpernel Brookweed*. — *S. valerandi*.

Curtis. IV. 20.

Banks of Rivers and Bogs, July, P. Rare.

Banks of the Ouse above Bedford.

Honeysuckle. LONICERA. Gen. Pl. 519.

Blossom of 1 petal, irregular : Berry with many seeds, 2-celled.

170. *Common Honeysuckle*. — *L. Periclymenum*.

Heads ovate, tiled, terminal, all the leaves distinct. — Curtis. I. 15.

H

Woods

V Males. I Female. Pen. Mo.

Woods and Hedges, July, S. Common.

Mullein. VERBASCUM. Gen. Pl. 331.

Blossom wheel-shaped, nearly unequal, with
2 cells and 2 valves.

171. *Great Mullein.* — V. Thapsus.

Leaves running down the stem, woolly on
both sides : stem undivided. — Flora Da-
nica. 631. Woodville. 125.

Road-sides, July, P. Common.

172. *Black Mullein.* — V. nigrum.

Leaves oblong, heart-shaped, on leafstalks.—
Sowerby. 59. admirable.

Hedges, July, P. Rare.

Sandy,—Warden,—Aspley.

Henbane. HYOSCYAMUS. Gen. Pl. 333.

Blossom funnel-shaped, blunt : threads incli-
ning, capsule 2-celled, with a lid.

173. *Common Henbane.* — H. niger.

Leaves embracing the stem, waved, flowers
sitting. — Woodville. 52. admirable.

Road-sides, June, B. Common.

Deadly Nightshade. ATROPA. Gen. Pl. 335.

Blossom bell-shaped, threads distant. Berry
round, 2-celled.

Common

V Males. I Female. Pen. Mo.

174. *Common Deadly Nightshade.* — A. Belladonna.

Stem herbaceous, leaves ovate, very entire.—

Curtis. V. 16. Woodville. 1.

Woods and Road-sides, June, P. Rare.

Near Whipsnade, on the borders of Herts.

Obs :

They who have drawn this Plant have overleaped the modest simplicity of nature, for the flowers are of a dusky colour and not purplish brown; the leaves pale not a deep green. The style is but little longer than the tube of the blossom.

Nightshade. SOLANUM. Gen. Pl. 537.

Blossom wheel-shaped. Anthers almost united, opening at the point with a double pore.

Berry 2-celled.

175. *Woody Nightshade.* — S. Dulcamara.

Stem thornless, shrubby, zigzag, upper leaves spear-shaped. Bunches in half-umbels.—

Curtis. I. 14.

Moist Hedges, July. S. Common.

176. *Garden Nightshade.* — S. nigrum.

Stem thornless, herbaceous, leaves ovate, tooth-angular, bunches in two rows, nodding. — Curtis. II. 14. Woodville. 226.

Dunghills, July, A. Common.

V Males. I Female. Pen. Mo.

Buckthorn. RHAMNUS. Gen. Pl. 358.

Cup tubular, with scales defending the threads ; Blossom none : Capsule a berry.

177. *Purging Buckthorn.* — R. catharticus.

Thorns terminating, flowers with 4 segments, diœcious, leaves ovate, stem upright. — Blackwell. 135.

Woods, Hedges, May, S. Rare.

Amphibia L. G. Clapham, — Ravensden.

178. *Berry-bearing Alder.* — R. Frangula.

Flowers with one female, florets hermaphrodite, leaves very entire. — Sowerby. 250. admirable.

Woods, Hedges, May, S. Rare.

Eversholt, — Aspley Wood.

Spindle-tree. EVONYMUS. Gen. Pl. 373.

Blossom 5 petals. Capsule 5 angles, 5 cells, 5 valves, colored : seeds with a veil.

179. *Common Spindle-tree.* — E. europæus.

Flowers with mostly 4 segments, leaves sitting. — Sowerby. 362. admirable.

Woods, Hedges, May, S. Rare.

Renhold, — Cople, — Aspley.

Currant. RIBES. Gen. Pl. 390.

Petals

V Males. I Female. Pen. Mo.

Petals 5, and the threads inserted in the cup:
Style bifid, berry many-seeded, inferior.

180. *Black Currant*. — *R. nigrum*.

Thornless, bunches hairy, blossoms oblong. —

Flora Danica. 556. admirable.

Banks of Rivers, April, May, S. Rare.

Blunham.

Ivy. *HEDERA*. Gen. Pl. 395.

Petals 5 oblong. Berry with 5 seeds surrounded by the cup.

181. *Common Ivy*. — *H. Helix*.

Leaves both ovate and lobed. — Curtis. I. 16.

Woods, Hedges, September, S. Common.

Periwinkle. *VINCA*. Gen. Pl. 419.

Contorted. Bags 2, upright. Seeds naked.

182. *Least Periwinkle*. — *V. minor*.

Stems trailing, leaves spear-ovate, flowers on fruitstalks. — Curtis. III. 16.

Woods, Hedges, April, P. Rare.

Potton, — *Aspley*.

183. *Great Periwinkle*. — *V. major*.

Stems erect, leaves ovate, slightly fringed. — Curtis. IV. 19.

Hedges, April, P. Rare.

Ravensden, — *Clapham*.

Goosefoot.

V Males. II Females. Pen. Di.

Goosefoot. CHENOPODIUM. Gen. Pl. 435.

Cup 5 leaves. Blossom none. Seed 1, lentil-shaped, superior.

184. *Mercury Goosefoot.* — *C. bonus* Henricus.

Leaves triangular, arrow-shaped, very entire, spikes compound, leafless, axillary. — Curtis. V. 7.

Dunghills and Church-Yards, June, P. Common.

185. *Upright Goosefoot.* — *C. urbicum*.

Leaves triangular, somewhat toothed, bunches crowded, very upright, lying close to the stem, very long. — Petiver. VIII. 8.

Road-sides, August, A. Rare.

St. Cuthbert's Bedford, behind the Church.

186. *Red Goosefoot.* — *C. rubrum*.

Leaves heart-three-cornered, bluntish, toothed, bunches erect, compound, leafy, shorter than the stem. — Curtis. VI. 21.

Dunghills, August, A. Rare.

Goldington,—Aspley.

187. *Wall Goosefoot.* — *C. murale*.

Leaves ovate, shining, toothed, sharp, bunches branched, naked. — Curtis. VI. 20.

Dunghills, August, A. Common.

Fig-leaved

V Males. II Females. Pen. Di.

188. *Fig-leaved Goosefoot*. — *C. serotinum*.

Leaves trowel-shaped, indented and toothed, wrinkled, smooth, uniform, bunches terminating. — Curtis. II. 16. *C. viride*.

Dunghills, August, A. Common.

189. *White Goosefoot*. — *C. album*.

Leaves diamond-three-cornered, gnawed, entire behind, uppermost oblong, bunches upright. — Curtis. II. 15.

Cornfields, July, A. Common.

190. *Thorn-apple-leaved Goosefoot*. — *C. hybridum*.

Leaves heart-shaped, pointed-angular, bunches branched, naked. — Curtis. IV. 23.

Dunghills, August, A. Rare.

Mill Lane, Bedford.

Elm. ULMUS. Gen. Pl. 443.

Cup of 5 segments. Blossom none. Berry dry, flatted, skinny.

191. *Common Elm*. — *U. campestris*.

Leaves doubly-serrated, unequal at the base, flowers nearly sitting, in clusters.

Hedges, April, T. Common.

192. *Wyche-bazel Elm*. — *U. effusa*.

Leaves doubly-serrated, unequal at the base, flowers scattered, on long fruitstalks.

Hedges,

V Males. II Females. Pen. Di.

Hedges, April, T. Common.

Gentian. GENTIANA. Gen. Pl. 450.

Blossom 1 petal. Cup 2 valves, 1 cell, with
2 longitudinal receptacles.

193. *Fellwort Gentian.* — *G. Amarella.*

Blossoms with 5 segments, salver-shaped,
bearded at the mouth, segments of the cup
equal. — *Flora Danica.* 328. Sowerby. 236.
admirable.

Pastures, July, A. Rare.

Turvey, opposite Snelson,—Bromham.

194. *Field Gentian.* — *G. campestris.*

Blossoms with 4 segments, salver-shaped,
bearded at the mouth, segments of the cup
unequal. — *Flora Danica.* 367. Sowerby.
237. admirable.

Hilly Pastures, September, A. Very rare.

Barton Hill.

Obs :

*The Synonym expresses that the segments of the cup are
unequal, the alternate ones are particular in this respect,
the one being strap-shaped, the other ovate-spear-shaped.*

Umbellated Plants.

A. with general and partial Fences.

Pennywort. HYDROCOTYLE. Gen. Pl. 457.

Umbel

V Males. II Females. Pen. Di.

Umbel simple, with a fence of 4 leaves, petals entire, seeds semicircular, flattened.

195. *Marsh Pennywort*. — *H. vulgaris*.

Leaves shield-shaped, umbels with 5 flowers.

— Curtis. VI. 19. Flora Danica. 90.

Bogs, June, P. Rare.

Amptbill,—Aspley.

Sanicle. SANICULA. Gen. Pl. 458.

Umbels crowded, almost in heads. Fruit rough; fruit of the disc abortive.

196. *Common Sanicle*. — *S. europæa*.

Root leaves simple, all the flowers sitting. —

Sowerby. 98. Flora Danica. 283. admirable.

Woods and Thickets, May, P. Common.

Thorow-wax. BUPLEURUM. Gen. Pl. 460.

Fences of the small umbel larger than the flowers, of 5 leaves; Petals rolled in. Fruit nearly round, flattened, striped.

197. *Common Thorow-wax*. — *B. rotundifolium*.

No general fences: Stem perforating the leaves, and growing through them. — Blackwell. 95. Sowerby. 99. admirable.

Cornfields, June, A. Rare.

Barton Hill,—Woburn.

V Males. II Females. Pen. Dí.

Hensfoot. CAUCALIS. Gen. Pl. 464.

Blossoms with a ray, male florets in the disc.
Petals bent in and nicked. Fruit with
bristles, fences entire.

198. *Fine-leaved Hensfoot.* — *C. daucoides*.

Umbels in threes, leafless, small umbels with
3 seeds and 3 leaves. — Sowerby. 197. ad-
mirable.

Cornfields, June, A. Very rare.

*Oakley West Field, discovered by Mr. James
Payne, a discerning Herbarist of that Village.*

Obs :

*Leaves very finely divided, Germs armed with hooked
bristles, Flowers pinkish-white, Petals uniform.*

199. *Broad-leaved Hensfoot.* — *C. latifolia*.

General umbel trifold, partial ones with 5
seeds, leaves winged and serrated. — Sow-
erby. 198. admirable.

Cornfields, June, A. Rare.

Oakley,—Thurleigh.

Obs :

*Petals irregular, bluish-colored. Seeds hooked as in the
preceding.*

200. *Field Hensfoot.* — *C. arvensis*.

General

V Males. II Females. Pen. Di.

General fence of one leaf, umbels crowded, seeds round-ovate, leaflets ovate-spear-shaped, doubly winged, branches straggling. — Curtis. VI. 23. *C. infesta*.

Cornfields, July, A. Common.

201. *Hedge Hensfoot*. — *C. Anthriscus*.

Fences with many divisions, umbel crowded, seeds oblong, leaflets ovate, doubly-winged, branches erect. — Curtis. VI. 22.

Hedges, July, A. Common.

202. *Knotted Hensfoot*. — *C. nodosa*.

Umbels lateral, simple, sitting. — Sowerby. 199. admirable.

Road-sides, June, A. Common.

Carrot. DAUCUS. Gen. Pl. 466.

Blossoms nearly radiate, all with both male and female organs. Fruit rough with hair. Fences doubly-winged.

203. *Wild Carrot*. — *D. Carota*.

Seeds rough, leafstalks ribbed underneath. — Martyn. 82. admirable.

Pastures, July, B. Common.

Earth-nut. BUNIUM. Gen. Pl. 468.

Blossom uniform, umbel crowded, fruit ovate.

V Males. II Females. Pen. Di.

204. *Small Earth-nut.* — *B. flexuosum.*

Stem tapering at bottom, zigzag. — Curtis.
IV. 24. admirable.

Pastures and Thickets, May, P. Rare.

King's Wood, Amptbill,—Aspley Wood.

Obs :

The true Bulbocastanum, (well figured by Oeder) is not, I believe, a native of this County. The plant before us is truly zigzag towards the root, and the stem tapering at the base.

Hemlock. CONIUM. Gen. Pl. 469.

Partial fences going half way round, generally of 3 leaves. Fruit nearly globular, with 5 scores, notched on each side.

205. *Common Hemlock.* — *C. maculatum.*

Seeds scored. — Curtis. I. 17. admirable.

Road-sides, June, B. Common.

Sulphurwort. PEUCEDANUM. Gen. Pl. 472.

Fruit ovate, scored on both sides, bordered, fences very short.

206. *Common Sulphurwort.* — *P. Silaus.*

Leaflets doubly-winged, segments opposite, general fence of 2 leaves. — Martyn. 128. admirable.

Moist Pastures, July, P. Common.

Hogweed.

V Males. II Females. Pen. Di.

Hogweed. HERACLEUM. Gen. Pl. 477.

Fruit elliptical, nicked, flat, scored : Blossom irregular, bent in and nicked, fence falling off,

207. *Common Hogweed.* — H. Sphondylium.

Leaves doubly-winged, smooth, flowers regular. — Petiver. XXIV. 1.

Hedges, July, P. Common.

208. *Narrow-leaved Hogweed.* — H. angustifolium.

Leaves with a cross in the wing, leaflets spear-shaped, blossoms with florets. — Jacquin. Flora Aust. 174.

Hedges, July, B. Rare.

Elstow.

Obs :

I am the more convinced of the identity of this species from the circumstance of the Rev. Mr. Relhan's having shewn me, the corresponding Plant page 10 of his second supplement.

Angelica. ANGELICA. Gen. Pl. 479.

Fruit nearly round, angular, firm, with reflected styles. Blossoms equal, petals bent in.

109. *Wild Angelica.* — A. sylvestris.

Leaflets equal, ovate-spear-shaped, serrated. — Woodville. 265.

Woods

V Males. II Females. Pen. Di.

Woods and wet Hedges, July, B. Common.

Water Parsnep. SIUM. Gen. Pl. 480.

Fruit rather egg-shaped, scored: fence of many leaves. Petals heart-shaped.

210. *Broad-leaved Water Parsnep.* — *S. latifolium.*

Leaves winged, umbel terminal. — Sowerby. 204. admirable.

Ditches and Banks of Rivers, July, P. Common.

211. *Narrow-leaved Water Parsnep.* — *S. angustifolium.*

Leaves winged, umbels axillary on fruitstalks, general fence winged. — Sowerby. 139. admirable.

Rivulets and Ditches, July, P. Rare.

With the above.

Obs :

Leaves deeply serrated, leaves of the fences and fencelets very large and conspicuous.

212. *Trailing Water Parsnep.* — *S. nodiflorum.*

Leaves winged, umbels lateral, nearly fitting, stem trailing. — Flora Danica. 247. admirable.

Rivulets and Ditches, July, P. Common.

Creeping

V Males. II Females. Pen. Di.

213. *Creeping Water Parsnep.* — *S. repens.*

Stem creeping, leaflets roundish, tooth-angular. — Jacquin *Flora Aust.* 260.

Bogs, June, P. Rare.

Goldington Green,—Stevington Bogs.

Honewort. SISON. *Gen. Pl.* 481.

Fruit ovate, scored, fences commonly 4-leaved.

214. *Hedge Honewort.* — *S. Amomum.*

Leaves winged, umbels upright. — Blackwell. 442.

Woods and Hedges, August, B. Common.

215. *Corn Honewort.* — *S. segetum.*

Leaves winged, umbels drooping. — Sowerby. 228. admirable.

Road-sides, July, B. Rare.

Goldington,—Clapham.

Obs :

Stem prostrate rather than upright as in the Amomum, very much branched, but the partial umbels smaller.

216. *Water Honewort.* — *S. inundatum.*

Creeping, umbels with two props. — *Flora Danica.* 89. Sowerby. 227. admirable.

Bogs,

V Males. II Females. Pen. Di.

Bogs, June, A. Rare.

Amptbill.

Obs :

The leaves out of the water winged, serrated : Those that grow beneath the surface are very fine and hair-like. Blossom irregular.

Dropwort. OENANTHE. Gen. Pl. 484.

Florets dissimilar, those in the disc barren, sitting : Fruit crowned with a cup and female organ.

217. *Water Dropwort.* — *O. fistulosa.*

Root sending forth suckers, stem-leaves winged, thread-shaped, hollow. — Sowerby. 363. admirable.

Boggy Ground, June, P. Common.

218. *Sulphurwort-leaved Dropwort.* — *O. peucedanifolia.*

All the leaves strap-shaped, root leaves with a double row of wings, stem-leaves winged, no general fence, knobs of the root ovate, sitting. — Sowerby. 348. admirable.

Marshes, June, P. Rare.

Potton Marshes,—Fenlake Meadow.

B. with fencelets, but without fences.

Horse-bane.

V Males. II Females. Pen. Di.

Horsebane. PHELLANDRIUM. Gen. Pl. 485.

Florets of the center less, fruit ovate, smooth, crowned with a cup and female organ.

219. *Water Horsebane.* — P. aquaticum.

Branches of the foliage straggling. — Woodville. 266. admirable.

Rivers, July, P. Common.

Cowbane. CICUTA. Gen. Pl. 486.

Fruit nearly ovate, furrowed.

220. *Poisonous Cowbane.* — C. virosa.

Flora Danica. 208. Woodville. 268. Sowerby. 479.

Ditches, July, P. Rare.

Oakley Springs.

Cicely. ÆTHUSA. Gen. Pl. 487.

Fencelets going half round, with three leaves, hanging down : Fruit scored.

221. *Fool's Parsley.* — Æ. Cynapium.

Curtis. I. 18.

Gardens and Fields, July, P. Common.

Shepherd's Needle. — SCANDIX. Gen. Pl. 489.

Blossom radiate, fruit awl-shaped, petals nicked, florets of the disc often males only.

V Males. II Females. Pen. Dī.

222. *Common Shepherd's-Needle*. — *S. pecten*.
Seeds with a very long beak. — Curtis. V.
21. Martyn. 38.

Cornfields, May, A. Common.

223. *Rough Shepherd's-Needle*. — *S. Anthriscus*.
Seeds ovate, rough with hair, blossoms uniform, stem smooth. — Curtis. I. 19. Martyn. 75.

Road-sides. May, A. Common.

224. *Chervil Shepherd's-Needle*. — *S. Cerefolium*.
Seeds glossy, on long fruitstalks. — Blackwell. 236.

Road-sides, May, A. Rare.

Goldington Road-side.

Chervil. CHAEROPHYLLUM — Gen. Pl. 490.
Fence bent back, concave: Petals heart-shaped, bent in. Fruit oblong, smooth.

225. *Common Chervil*. — *C. sylvestre*.

Stem smooth, scored, knees swollen. — Curtis. IV. 25. Martyn. 96.

Pastures under Hedges, May, P. Common.

226. *Small Chervil*. — *C. temulentum*.

Stem rough, knees swollen. — Curtis. VI.
24.

Under Hedges, June, B. Common.

C. without

V Males. II Females. Pen. Di.

C. without fences or fencelets.

Parsnep. PASTINACA. Gen. Pl. 494.

Fruit elliptical, compressed, flat : Petals entire, rolled in.

227. *Wild Parsnep.* — *P. sylvestris.*

Leaves simply winged. — Martyn. 83.

Road-sides, July, B. Common.

Alisanders. SMYRNIUM. Gen. Pl. 495.

Fruit oblong, scored ; Petals pointed, keeled.

228. *Common Alisanders.* — *S. Olus atrum.*

Stem-leaves in threes, on leafstalks, serrated.—

Sowerby. 230. admirable.

Under Hedges, May, B. Rare.

Elstow,—Ravensden,—Oakley.

Dill. ANETHUM. Gen. Pl. 364.

Fruit nearly ovate, flat, scored : Petals rolled in, entire.

229. *Fennel.* — *A. Fœniculum.*

Woodville. 160.

Springs and chalky Soils, July, B. Rare.

Eversholt, in a deep Ditch near the Church.

Carraways. CARUM. Gen. Pl.

Fruit ovate-oblong, scored ; Fence of 1 leaf.

Petals keeled, bent in, nicked.

V Males. II Females. Pen. Di.

230. *Common Carraways.* — C. Carui.

Martyn. 55.

Pastures, May, B. Rare.

Thurleigh.

Obs :

This Plant was first shewn to me by John Payne, brother of James Payne, the Oakley Herbarist.

Burnet Saxifrage. PIMPINELLA. Gen. Pl. 498.

Fruit ovate-oblong. Petals bent in. Stigmas roundish.

231. *Small Burnet Saxifrage.* — P. Saxifraga.

Leaves winged, root leaves nearly round, upper ones strap-shaped. — Martyn. 127. Sowerby. 407. admirable.

Dry Pastures, July, P. Common.

232. *Jagged Burnet Saxifrage.* — P. dissecta.

All the leaves winged, wings with many divisions, segments somewhat leafy, pointed. — Retz. Fasc. III. fig. 2.

Road-sides, July, P. Common.

233. *Great Burnet Saxifrage.* — P. magna.

All the leaves lobed, the odd lobe divided into three. — Sowerby. 408.

Woods, July, P. Common.

Parsley.

V Males. II Females. Pen. Di.

Parsley. APIUM. Gen. Pl. 499.

Fruit ovate, scored. Fence of 1 leaf, petals equal.

234. *Smallage.* — A. graveolens.

Stem leaves wedge-shaped. — Flora Danica.

790.

Wet Ditches, June, P. Rare.

Medbury, — Wilsbamsted, — Goldington.

Goutweed. ÆGOPodium. Gen. Pl. 500.

Fruit ovate-oblong, scored.

235. *Herb Gerard.* — Æ. Podagraria.

Upper leaves in threes. — Flora Danica. 670.

Woods, Hedges, June, P. Common.

V Males. III Females. Pen. Tri.

Mealy-tree. VIBURNUM. Gen. Pl. 503.

Cup 5 segments. Blossom 5 divisions. Berry 1 seed.

236. *Pliant Mealy-tree.* — V. Lantana.

Leaves heart-shaped, serrated, veined, woolly beneath. — Sowerby. 331. admirable.

Woods, Hedges, May, S. Common.

237. *Guelder Rose.* — V. Opulus.

Leaves lobed, leafstalks with glands. — Sowerby. 332. admirable.

Woods,

V Males. III Females. Pen. Tri.

Woods, Hedges, May, S. Common.

Elder. SAMBUCUS. Gen. Pl. 505.

Cup 5 segments. Blossom 5 divisions. Berry
3 seeds.

238. *Dwarf Elder.* — S. Ebulus.

Cymes with 3 props, stipulæ leafy, stem herbaceous. — Curtis. III. 18. Woodville.
260.

Hedges, July, S. Common.

239. *Common Elder.* — S. nigra.

Cymes with 5 props, stem woody. — Flora
Danica. 545.

Hedges, June, S. Common.

Chickweed. ALSINE. Gen Pl. 518.

Cup of 5 leaves. Petals 5, equal. Capsule
1 cell, 3 valves.

240. *Common Chickweed.* — A media.

Petals nicked, leaves ovate-heart-shaped. —
Curtis I. 20. admirable.

Fields, Gardens, April, A. Common.

V Males. IV Females. Pen. Tetr.

Grass of Parnassus. PARNASSIA. Gen. Pl. 523.

Cup 5 segments. Petals 5. Nectaries 5,
heart-shaped, fringed, points globular. Cap-
sule 4 valves.

Marsh

V Males. IV Females. Pen. Tetr.

241. *Marsh Parnassia*. — *P. palustris*.

Sowerby. 82. *Flora Danica*. 584. admirable.
Bogs, July, P. Rare.

Stevington. — *Turvey*, — *Amptbill*.

V Males. V Females. Pen. Pen.

Flax. LINUM. Gen. Pl. 528.

Cup 5-leaved, petals 5. Capsule 5 valves,
10 cells, seeds solitary.

242. *Common Flax*. — *L. usitatissimum*.

Cups and capsules pointed, petals slightly
notched, leaves lance-shaped, alternate, stem
nearly single. — Martyn. 133. Woodville.
III.

Cornfields, July, A. Rare.

Barton Hill.

243. *Purging Flax*. — *L. catharticum*.

Leaves opposite, ovate-lance-shaped, stem
forked, blossoms pointed. — Curtis. III.
19. Martyn. 135. Sowerby. 382.

Pastures, June, A. Common.

Sundew. DROSERA. Gen. Pl. 531.

Cup of 5 divisions, Petals 5. Capsule 1-
celled, opening with 5 valves: Seeds many.

244. *Round-leaved Sundew*. — *D. rotundifolia*.

Stems

V Males. V Females. Pen. Pen.

Stems from the root, leaves round — Flora Danica. 1028.

Bogs, July, P. Rare.

Ampthill.

245. *Long-leaved Sundew*, — *D. longifolia*.

Stems from the root, leaves oval-oblong. — Petiver. LXIII. 11.

Bogs, July, P. Rare.

Ampthill Bogs.

246. *Great Sundew*. — *D. anglica*.

Leaves oblong, stems from the root, eight female organs in the flower. — Petiver. LXIII. 12.

Bogs, July, P. Extremely rare.

Ampthill Bogs.

V Males. Many Females. Pen. Poly.

Mousetail. MYOSURUS. Gen. Pl. 538.

Cup 5-leaved, growing together at the base, nectaries 5, awl-shaped, like petals ; Seeds numerous.

247. *Least Mousetail*. — *M. minimus*.

Flora Danica, 406, Curtis. IV. 26.

-Cornfields, June, A. Rare.

Biddenham,—Fenlake,—Caldwell.

Obs :

V Males. Many Females. Pen. Poly.

Obs :

No one has observed the natural simplicity and elegance of this little plant, who has not seen the petals and parts of fructification, before the seedspike is produced. The organs of the male division of the flower often far exceed the limits and number of the class.

C L A S S. VI.

VI Males. I Female. Hex. Mo.

Snow-drop. GALANTHUS. Gen. Pl.

Petals 3, concave. Honey-cup of 3 small petals, nicked, summit simple.

248. *Common Snowdrop.* — *G. nivalis.*

Sowerby. 19.

Bottom of Mountains, April, P. Rare.

Sandy Hills.

Daffodil. NARCISSUS. Gen. Pl. 550.

Six petals, equal : Honey-cup funnel-shaped, of 1 leaf. Threads within the honey-cup.

249. *Pale Daffodil.* — *N. pseudo-narcissus.*

Sheath with 1 flower, nectary bell-shaped, erect, crimp, equalling the ovate petals. — Sowerby. 17.

Woods and Hedges, April, P. Rare.

Clapham,—Warden.

L

Garlick.

VI Males. I Female. Hex. Mo.

Garlick. ALLIUM. Gen. Pl. 557.

Blossom of 6 divisions, expanding. Sheath of many flowers. Umbel crowded. Capsule superior.

250. *Crow Garlick.* — A vineale.

Stem with cylindrical leaves and bulbs, threads with 3 points. — Petiver. LXVI. 1.

Meadows, June, P. Common.

251. *Ramson Garlick.* — A. ursinum.

Stalk naked, three-square, leaves spear-shaped, on leafstalks, umbel flat at the top. — Sowerby. 122. admirable.

Moist Woods, May, P. Rare.

Whipsnade, near Dunstable.

Hyacinth. HYACINTHUS. Gen. Pl.. 577.

Blossom bell-shaped. 3 honey-cup pores at the point of the germ.

252. *Hare bells.* — H. non-scriptus

Blossoms with 6 segments, bell-shaped, turned back at the point. — Curtis. II. 18. Sowerby. 377.

Woods, May, P. Common.

Tulip. TULIPA. Gen. Pl.

Blossom of 6 petals, bell-shaped : style none.

Wild

VI Males. I Female. Hex. Mo.

253. *Wild Tulip*. — *T. sylvestris*.

Flower solitary, somewhat drooping, leaves lance-shaped, stigma obtuse triangular, stamens hairy at the base. — (*English Botany*.) *Flora Danica*. 375. Sowerby. 63. admirable.

Old Chalkpits, April, P. Rare.

Whipsnade. on the borders of Hertfordshire,
Rev. D. Jenks.

Obs :

Outer coat of the obovate bulb tawny. Tips of the petals hairy.

Fritillary. FRITILLARIA. Gen. Pl. 559.

Blossom of 6 petals, bell-shaped, with a cavity containing honey above the claws. Threads as long as the blossom.

254. *Checquered Fritillary*. — *F. Meleagris*.

All the leaves alternate, stem with 1 flower. Curtis. III. 20.

Moist Meadows, April, P. Rare.

Bromham.

Star of Bethlehem. ORNITHOGALUM. Gen. Pl. 566.

Blossom of 6 petals, upright, continuing, expanding more than half way. Threads alternate, broad at the base.

VI Males. I Female. Hex. Mo.

255. *Common Star of Bethlehem.* - *O. umbellatum.*

Flowers in flat-topped spikes, fruitstalks higher than the stem, threads broadest at the base. — Sowerby. 130.

Pastures and Heaths, May, P. Rare.

Everton Heath.

256. *Spiked Star of Bethlehem.* - *O. pyrenaicum.*

Bunch of flowers very long, threads spear-shaped, flower-bearing fruitstalks expanding, equal : when in seed approaching the stalk. - Johnson's Gerard. 97.

Pastures and Hedges, June, P. Rare.

Between Eaton-Socon and Thurleigh.

Convally. CONVALLARIA. Gen. Pl. 575.

Blossom of 6 segments ; Berry spotted, 3 cells.

257. *Lilly of the Valley.* — *C. maialis.*

Stalk bare, half-rounded, leaves elliptical. — (Aiton.) Curtis. V. 24. (See our fig. No. 2.)

Woods, May, P. Rare.

Aspley Wood.

Obs :

The leaves are rather egg-spear-shaped than elliptical.

Solomon's



VI Males. I Female. Hex. Mo.

258. *Solomon's Seal*. — *C multiflora*.

Leaves alternate, embracing the stem, stem round, fruitstalks from the bosom of the leaves, bearing many flowers. — Sowerby.

279. .

Woods, May, P. Rare.

Thurleigh Wood.

Spiderwort. ANTHERICUM. Gen. Pl.

Blossom of 6 petals, expanding. Capsule ovate.

259. *Lancashire Asphodel*. — *A. ossifragum*.

Leaves sword-shaped, threads woolly. —
Flora Danica. 42.

Bogs, July, P. Rare.

Amptbill Bogs.

Reed. ACORUS. Gen. Pl. 586.

Spike cylindrical, covered with florets, Blossoms (having 6 petals) naked, style none. Capsule 3-celled.

260. *Sweet Reed*. — *A. Calamus*.

Sowerby. 356. Woodville. 173.

Stagnant Waters, July, P. Rare.

Moat, at the Hassocks Farm.

Purslane. PEPLIS. Gen. Pl. 605.

Cup

VI Males. I Female. Hex. Mo.

Cup bell-shaped, orifice with 12 clefts. Petals 6, inserted in the cup, capsule 2-celled.

261. *Water Purslane*. — *P. Portula*.

Stem creeping, flowers in the wings of the leaves, petals very minute and fugacious. — Curtis. IV. 27. admirable. *Flora Danica*. 64.

Bogs, July, A. Rare.

Amptbill Bogs.

Obs :

The plant is absolutely prostrate, bearing reddish flowers sitting at every joint : The allotted number of rose-colored petals is seldom compleat.

Rush. JUNCUS. Gen. Pl. 590.

Cup of 6 leaves. Blossom none. Capsule 1-celled.

262. *Clustered Rush*. — *J. conglomeratus*.

Stalk naked, upright, head on one side. — Leers. XIII. 1.

Meadows and Heaths, July, P. Common.

263. *Soft Rush*. — *J. effusus*.

Stalk naked, upright, panicle on one side. — Leers. XIII. 2.

Road-sides, July, P. Common.

264. *Hard Rush*. — *J. inflexus*.

Stalk

VI Males. I Female. Hex. Mo.

Stalk naked, scored, of a sea-green color, leaf-scales brown at the base, panicle on one side, scattered. — Leers. XIII. 3.

Heaths and Pastures, July, P. Common.

265. *Moss Rush.* — *J. squarrosus.*

Stalk naked, leaves bristle-shaped, heads leafless, clustered. — Flora Danica. 430.

Heaths, July, P. Rare.

Amptbill Heath.

266. *Flat-stalked Rush.* — *J. compressus.*

Stalk leafy, trailing, leaves flattened, jointed with knots, panicle compound. — Sowerby. 238.

Wet Places, July, P. Common.

267. *Viviparous Rush.* — *J. viviparus.*

Stalk branched, leaves bristle-shaped, flowers in bundles, sitting upon the branches. — (Haller.) Plukenet. XXXII. 3.

Bogs, July, P. Rare.

Amptbill Bogs.

268. *Bulbous Rush.* — *J. bulbosus.*

Leaves strap-shaped, channelled, capsules blunt. — Flora Danica. 431.

Pastures and Heaths, July, P. Rare.

Amptbill Bogs,—Potton Marshes.

Toad

VI Males. I Female. Hex. Mo.

269. *Toad Rush.* — *J. bufonius*.

Stem forked, leaves angular, flowers single, sitting. — Leers. XIII. 8.

Wet Places, July, A. Common.

270. *Hairy Wood Rush.* — *J. pilosus*.

Leaves flat, hairy, flat-topped spike branched, flowers single. — Curtis. V. 25.

Woods, April. P. Common.

271. *Great Hairy Wood Rush.* — *J. sylvaticus*.

Leaves flat, hairy, flat-topped spike compound, flowers in bundles, sitting. — Curtis. V. 26.

Woods, May, P. Common.

272. *Hairy Field Rush.* — *J. campestris*.

Leaves flat, hairy, spikes sitting and on fruit-stalks. — Curtis. II. 19.

Pastures, April, P. Common.

Barberry. BERBERIS. Gen. Pl. 595.

Cup of 5 leaves. Petals 6, with 2 glands at the claws. Style none. Berry 2-seeded.

273. *Common Barberry.* — *B. vulgaris*.

Fruitstalks in bunches. — Sowerby. 49. Woodville. 234.

Hedges, May, S. Rare.

Clapham Lane,—Milton Ernys.

Dock.

VI Males. III Females. Hex. Tri.

Dock. RUMEX. Gen. Pl. 613.

Cup 3 leaves. Petals 3, approaching, seed
1 three-square.

274. *Bloody Dock.* — *R. sanguineus*.

Leaves without red veins. — (*Stokes*) Curtis.
III. 21.

Woods and Road-sides, July, P. Common.

275. *Curled Dock.* — *R. crispus*.

Flowers with both male and female organs,
valves entire with grains, leaves spear-
shaped, waved, pointed. — Curtis. II. 20.

Pastures and Road-sides, July, P. Common.

276. *Golden Dock.* — *R. aureus*.

Whorls crowded, when ripe resembling a
spike, flowers golden yellow. — *Petiver*. II.
8. Raii. p. 142. *Lapathum aureum*.

Marshes, July, P. Rare.

Goldington Green.

277. *Blunt-leaved Dock.* — *R. obtusifolius*.

Flowers with both male and female organs,
valves toothed, with grains, leaves heart-
shaped, oblong, bluntish, crenated. — *Cur-*
tis. III. 22.

Road-sides, July, P. Common.

VI Males. III Females. Hex. Tri.

278. *Fiddle Dock*. — *R. pulcher*.

Flowers with both male and female organs, valves toothed, nearly simple, with a grain, root leaves fiddle-shaped. — Petiver. II. 10.

Church-yards and Road-sides, July, P. Common.

279. *Water Dock*. — *R. Hydrolapathum*.

Flowers with both male and female organs, valves entire with grains, leaves pointed, lance-shaped. — Woodville. 178.

Ditches and Rivers, July, P. Common.

280. *Sheep's Sorrel*. — *R. Acetosella*.

Flowers male and female on separate plants, leaves between spear and halberd-shaped. — Curtis. V. 29.

Heaths, July, P. Common.

Obs :

Plant diœcious. Root brown, leaves mostly halberd-shaped, often turned inwards. Habit of the plant so various as sometimes to be no more than 3 inches high, in a richer soil it rises to 8 inches, or even a foot.

281. *Common Sorrel*. — *R. Acetosa*.

Flowers male and female on separate plants, leaves oblong, arrow-shaped. — Sowerby. 127.

Pastures, June, P. Common.

Arrow-Grass.

VI Males. III Females. Hex. Tri.

Arrow-Grass. TRIGLOCHIN. Gen. Pl. 166.

Cup of 3 leaves. Petals 3, cup-shaped. Style none. Capsule opening at the base.

282. *Marsh Arrow-Grass.* — T. palustre.

Capsules with 3 cells, nearly strap-shaped. —

Sowerby. 366. Flora Danica. 490.

Marshes, July, P. Rare.

Hassock's Meadow,—Amptbill Bogs.

Meadow Saffron. COLCHICUM. Gen. Pl. 621.

A sheath. Blossom with 6 segments, the tube coming from the root. Capsules 3, connected, inflated.

283. *Common Meadow Saffron.* — C. autumnale.

Leaves flat, spear-shaped, straight. — Sowerby. 133. Woodville. 177. Martyn. 60.

Wet Meadows, September, P. Rare.

Barford,—Thurleigh.

VI Males. Many Females. Hex. Poly.

Water Plantain. ALISMA. Gen Pl. 625.

Cup of 5 leaves. Petals 3. Seeds many.

284. *Great Water Plantain.* — A. Plantago.

Leaves ovate, sharp, seeds 3-square, blunt.—

Curtis. V. 27. Flora Danica. 561.

Ditches, July, P. Common.

VI Males. Many Females. Hex. Poly.

285. *Small Water Plantain*. — *A. ranunculoides*.

Leaves strap-spear-shaped, fruit round, scurfy. — Sowerby. 326. *Flora Danica*. 122.

Bogs, June, P. Rare.

Amptbill Bogs.

C L A S S. VIII.

VIII. Males. I Female. Oct. Mo.

Willow Herb. EPILOBIUM. Gen. Pl. 639.

Cup 4 segments. Petals 4. Capsule oblong, inferior seeds downy.

286. *Rosebay Willow Herb*. — *E. angustifolium*.

Leaves scattered, strap-spear-shaped, flowers unequal. — Curtis. II. 24. *Flora Danica*. 289.

Woods, June, P. Rare.

Near Dunstable.

287. *Codlings and Cream*. — *E. hirsutum*.

Leaves opposite, spear-shaped, serrated, running down and embracing the stem. — Curtis. II. 21. *Flora Danica*. 326.

Wet Ditches, July, P. Common.

288. *Woolly Willow Herb*. — *E. villosum*.

Leaves oblong, spear-shaped, toothed, downy, stem round, woolly. — Curtis. II. 22. *Flora Danica*. 347.

Wet

VIII Males. I Female. Oct. Mo.

Wet Ditches, July, P. Common.

289. *Smooth Willow Herb.* — *E. montanum*.
Leaves opposite, ovate, toothed. — Curtis.
III. 24.

Woods, July, P. Common.

290. *Square-stalked Willow Herb.* — *E. tetragonum*.

Leaves spear-shaped, with small teeth, stem
4-square, stigma entire. — Curtis. II. 23.

Boggy Places, July, P. Rare.

Amptbill Bogs.

291. *Marsh Willow Herb.* — *E. palustre*.

Leaves opposite, spear-shaped, very entire,
petals nicked, stem upright. — Sowerby.
346.

Bogs, July, P. Rare.

Amptbill Bogs, — Stevington Bogs.

Obs :

*Very like the tetragonum, but differing in a round stem,
leaves narrower, almost entire.*

Yellow Wort. CHLORA. Gen. Pl. 653.

Cup of 8 leaves. Blossom of 1 petal, 8 divisions,
capsule 1-cell, 2 valves, many seeds ;
stigma cloven into 4.

Perfoliate

VIII Males. I Female. Oct. Mo.

292. *Perfoliate Yellow Wort*. — *C. perfoliata*.

Leaves perforated by the stem. — Sowerby.
60.

Pastures in a limestone soil, July, A. Rare.

Milton Hill,—Bromham Pastures.

Whorts. VACCINIUM. Gen. Pl. 658.

Blossom 1 petal. Threads fastened to the
receptacle. Berry with 4 cells and many
seeds.

293. *Black Whorts*. — *V. Myrtillus*.

Fruitstalks bearing 1 flower, leaves serrated,
ovate, falling off, stem angular.—Sowerby.
456. admirable.

Woods, April, S. Rare.

Aspley Wood.

294. *Cranberry*. — *V. Oxycoccus*.

Leaves very entire, turned back, ovate, stems
creeping, thread-shaped, naked.—Sowerby.
319. admirable. *Flora Danica*. 80.

Bogs, June, S. Rare.

Amptbill Bogs,—Potton Marshes.

Obs :

Leaves hoary underneath. Berries easily falling off.

Heath.

VIII Males. I Female. Oct. Mo.

Heath. ERICA. Gen. Pl. 659.

Cup of 4 leaves. Blossom 4 segments.
Threads fixed to the receptacle. Anthers
cloven in two. Capsule 4-celled.

295. *Common Heath.* — *E. vulgaris.*

Anthers awned, blossoms bell-shaped, nearly
equal, cups double, leaves opposite, arrow-
shaped. — Curtis. V. 30.

Heaths, July, S. Common.

296. *Cross-leaved Heath.* — *E. tetralix.*

Anthers awned, blossoms ovate, style within
the flower, leaves in fours, fringed, flowers
in heads. — Curtis. I. 21.

Wet Heaths, July, S. Rare.

Amptbill Bogs, — Potton Marshes.

Obs :

*Leaves fringed, and the fringes surmounted by a globule,
growing in ranks by fours. Flowers round, beautiful pale
pink, flowering in a half circle.*

Mezereon. DAPHNE. Gen. Pl. 664.

Cup none. Blossom 4 segments, of the true
figure of a corolla, withering, inclosing the
Threads. Berry with 1 seed.

297. *Spurge Laurel.* — *D. Laureola.*

Bunches

VIII Males. I Female. Oct. Mo.

Bunches from the bosom of the leaves, containing 5 flowers, leaves spear-shaped, smooth. — Sowerby. 119.

Woods, March, S. Common.

VIII Males. III Females. Oct. Tri.

Knot Grass. POLYGONUM. Gen. Pl. 677.

Cup none. Blossom 5 segments of the nature of a cup: Seed 1 angular.

298. *Bistort.* — P. Bistorta.

Stem unbranched, with a single spike, leaves ovate, running down into a leafstalk. —

Curtis. I. 22. Woodville. 34.

Wet Meadows, May, P. Rare.

Hyde Mill, Luton,—Thurleigh.

Obs :

Root turning inwards at bottom, leaves sheathing, veiny, so as to have the appearance of network, flowers in a close spike.

299. *Amphibious Persicaria.* — P. amphibium.

Five males in the flower, styles cloven, spike ovate. — Curtis. IV. 28.

Wet Ditches, July. P. Common.

300. *Common Persicaria.* — P. Persicaria.

Six males in the flower, styles cloven, spikes ovate, oblong, leaves spear-shaped, leaf-scales, fringed. — Curtis. I. 23.

Cornfields

VIII Males. III Females. Oct. Tri.

Cornfields and Ditches, August, A. Common.

301. *Pale Persicaria*. — *P. lapathifolium*.

Six males in the flower, styles cloven, leaf-scales without fringes, fruitstalks rough, seeds flatted on both sides. — (*Sibthorpe*.)
Curtis. I. 24.

Dunghills, August, A. Common.

302. *Biting Persicaria*. — *P. Hydropiper*.

Six males in the flower, style divided half way, leaves spear-shaped, leaf-scales scarcely fringed. — Curtis. I. 26. Blackwell. 119.

Wet Places, September, A. Common.

303. *Small Persicaria*. — *P. minus*.

Six males in the flower, style slightly divided, leaves between strap and spear-shaped, stem creeping at the base. — Curtis. I. 28.

Wet Places, September, A. Rare.

Elstow,—Goldington.

Obs :

Our plant is much smaller than Mr. Curtis's figure, and the stems shorter, but that Gentleman's description of the style and leaves is very accurate.

304. *Bird's Knot Grass*. — *P. aviculare*.

N

Eight

VIII Males. III Females. Oct. Tri.

Eight males and 3 females in the flowers, from the bosom of the leaves. Leaves spear-shaped, stem herbaceous, trailing. — Martyn. 91. admirable. Curtis. I. 27.

Cornfields, June. A. Common.

305. *Buckwheat*. — P. Fagopyrum.

Leaves heart-arrow-shaped, stem nearly upright, without prickles, angles of the seeds even. — Martyn. 46. admirable.

Woods, July, A. Rare.

Wootton Wood.

306. *Climbing Buckwheat*. — P. Convolvulus.

Leaves heart-shaped, stem twining, angular, flowers blunted. — Curtis. IV. 29.

Cornfields, July, A. Common.

VIII Males. IV Females. Oct. Tetr.

Herb Paris. PARIS. Gen. Pl. 683.

Cup 4 leaves. Petals 4, narrower than the cup. Berry with 4 cells.

307. *Common Herb Paris*. — P. quadrifolia.

Blackwell. 286. Sowerby. 7.

Woods, May, P. Rare.

Hawnes, — Renbold, — Clapham Park Wood.

Moschatel.

VIII Males. IV Females. Oct. Tetr.

Moschatel. ADOXA. Gen. Pl. 684.

Cup 2 segments, inferior. Blossom 4 or 5 segments, superior. Berry 4 or 5 cells, united with the cup.

308. *Tuberous Moschatel.* — A. Moschatellina.

Curtis. II. 26. Sowerby. 453.

Woods, April, P. Rare.

Aspley,—Renhold,—Clapham.

Obs :

Leaves rising from a root that is hollow within, shaped like those of rue and growing in a tuft. One vertical stem, bearing a roundish head of flowers, between 2 opposite leaves. Flowers with 4 divisions, pale brimstone-colored, musky.

C L A S S. IX.

IX Males. VI Females. Enn. Hex.

Gladiole. BUTOMUS. Gen. Pl. 693.

Cup none. Petals 6. Capsule 6-celled, with many seeds.

309. *Flowering Rush.* — B. umbellatus.

Curtis. I. 29. admirable.

Banks of Rivers, June, P. Rare.

Obs :

Stature 3 feet and more, 3 floral leaves like a fence, bent back ; Flowers on long fruitstalks, 10 to 24 in number. Leaves rolled in at the end, 3-square.

C L A S S. X.

X Males. I Female. Dec. Mo.

Bird's Nest. MONOTROPA. Gen. Pl. 737.

Cup none. Petals 10, 5 outer ones hollowed at the base, with honey cups. Capsule 5 valves.

310. *Primrose-scented Bird's Nest.* — M. Hypopithys.

Sowerby. 69. Flora Danica. 232.

Beech Woods, July. P. Rare.

Hostler's Wood, near Market-street. (Joseph Sibley, Esq.)*Winter Green.* PYROLA. Gen. Pl. 752.

Cup 5 segments. Petals 5. Capsule opening with 5 angles.

311. *Small Winter Green.* — P. minor.

Flowers in bunches, scattered, threads and styles erect. — Sowerby. 158. Flora Danica. 55.

Woods, July, P. Rare.

Whipsnade, — Woods near Luton.

X Males. II Females. Dec. Di.

Golden Saxifrage. CHRYSOSPLENIUM. Gen. Pl. 763.

Cup 4 or 5 segments, colored. Blossom none. Capsule with 2 beaks, 1-cell, and many seeds.

Common

X Males. II Females. Dec. Di.

312. *Common Golden Saxifrage.* — *C. oppositifolium.*

Leaves opposite. — Curtis. II. 27. Sowerby.

490. *Flora Danica.* 365.

Wet Ditches, April, P. Rare.

Eversholt.

Obs :

The terminal flower with us has always 10 males.

Saxifrage. SAXIFRAGA. Gen. Pl. 764.

Cup 5 segments. Blossom 5 petals. Capsule 2 beaks, 1-cell, many seeds.

313. *White Saxifrage.* — *S. granulata.*

Stem leaves kidney-shaped, lobed, stem branched. Root with granulations. — Curtis. I. 30. *Flora Danica.* 514. Woodville. 232.

Dry Pastures, May, P. Common.

314. *Rue-leaved Saxifrage.* — *S. tridactylites.*

Stem leaves wedge-shaped, 3-fingered, alternate, stem upright, branched. — Curtis. II. 28.

Walls, April, A. Common.

Knawel. SCLERANTHUS. Gen. Pl. 767.

Cup of 1 leaf. Blossom none. Seeds 2, inclosed in the cup.

Annual

X Males. II Females. Dec. Di.

315. *Annual Knawel*. — *S. annuus*.

Cups open when the seed is ripe.—Sowerby.
351.

Cornfields, June, A. Common.

Sopewort. SAPONARIA. Gen. Pl. 769.

Cup of 1 leaf, naked. Petals 5, with small
claws. Capsule oblong, 1-celled.

316. *Common Sopewort*. — *S. officinalis*.

Cups cylindrical, leaves ovate-spear-shaped.—
Curtis. II. 29. Woodville. 251.

Hedges and Walls, August, P. Rare.

Bromham,—*Sharnbrook*.

Pink. DIANTHUS. Gen. Pl. 770.

Cup of 1 leaf cylindrical, with 4 scales at the
base. Petals 5, with small claws. Capsule
cylindrical, 1-celled.

317. *Maiden Pink*. — *D. deltoides*.

Flowers solitary, cup-scales 2, spear-shaped,
blossoms crenated. — Sowerby. 61. admirable. *Flora Danica*. 577.

Sandy Hills, June, B. Rare.

Everton,—*Pegnut Hill near Potton*.

Campion.

X Males. III Females. Dec. Tri.

Campion. CUCUBALUS. Gen. Pl. 771.

Cup inflated. Petals 5, with small claws, without a crown at the mouth. Capsule 3-celled.

318. *Spatling Campion.* — C. Behen.

Cups nearly round, smooth, with network veins, capsules 3-celled, blossoms nearly naked. Sowerby. 164.

Cornfields, June, P. Common.

Catch-fly. SILENE. Gen. Pl. 772.

Cups bellying. Petals 5 with small claws, with a crown at the mouth. Capsule 3-celled.

319. *Night Catch-fly.* — S. noctiflora.

Cups with 10 angles, teeth the length of the tube, stem forked, petals nicked. — Sowerby. 291. admirable.

Cornfields, July, A. Rare.

Oakley West Field.

Obs :

The first flower is conspicuous in the fork of the plant when in seed. Cup with the appearance of network. Petals expand at six in the evening and are odoriferous.

320. *English Catch-fly.* — S. anglica.

Hairy,

X Males. III Females. Dec. Tri.

Hairy, petals nicked, flowers upright. Fruit on reflected fruitstalks, alternate. — Curtis.

IV. 30.

Cornfields, July, A. Rare.

Woburn,—Barton.

Stitchwort. STELLARIA. Gen. Pl. 773.

Cup of 5 leaves, open. Petals 5, cloven in two. Capsule 1-celled, many seeds.

321. *Great Stitchwort.* — *S. Holostea.*

Leaves spear-shaped, with fine serratures, petals cloven. — Curtis. II. 30.

Woods, Hedges, May, P. Common.

322. *Small Stitchwort.* — *S. graminea.*

Leaves strap-shaped, very entire, flowers in panicles. — *Flora Danica.* 414.

Meadows, July, P. Common.

323. *Middle Stitchwort.* — *S. media.*

Leaves strap-spear-shaped, very entire, sea-green color, alternately opposite, petals larger than the cup by the one half. — (*Sibthorpe.*) *Petiver.* LVIII. 2.

Boggy Ditches, July, P. Rare.

Amptbill Bogs,—Ford-End Ditches.

324. *Bog Stitchwort.* — *S. uliginosa.*

Leaves

X Males. III Females. Dec. Tri.

Leaves spear-shaped, very entire, stem trailing. — Curtis. VI. 28. admirable.

Rivulets and Bogs. June, A. Rare.

Amptbill Bogs,—Kempston Pits.

Sandwort. ARENARIA. Gen. Pl. 774.

Cup of 5 leaves, open. Petals 5, entire. Capsule 1 valve, containing many seeds.

325. *Plantain Sandwort.* — *A. trinervia.*

Leaves ovate, pointed, ribbed, on leafstalks. — Curtis. IV. 31.

Wet Woods and Hedges, June, A. Common.

Obs :

Stem a span high. Twin-sister of Alsine media as to habit, but the leaves differ in being 3-ribbed. Capsules as in that plant hanging down. Nevertheless there is no defect in any one of the characteristics of the family.

326. *Thyme-leaved Sandwort.* — *A. serpyllifolia.*

Leaves nearly ovate, pointed, sitting, blossoms shorter than the cup. — Curtis. IV. 32.

Walls, June, A. Common.

Obs :

Many stems from 3 to 4 inches long. Branches forked, leaves under a magnifier appearing fringed. Fruitstalks with 1 flower.

O

Purple

X Males. III Females. Dec. Tri.

327. *Purple Sandwort.* — *A. rubra.*

Leaves thread-shaped, leafscales skinny at the edge, and sheathing. — Petiver. LIX. 8.

Sandy Fields, June, A. Rare.

Potton,—Sandy,—Ampthill.

328. *Fine-leaved Sandwort.* — *A. tenuifolia.*

Leaves awl-shaped, stem paniced, capsules erect, petals spear-shaped, shorter than the cup. — Sowerby. 219,

Walls, June, A. Rare.

Newenham Wall.

X Males. V Females. Dec. Pen.

Stonecrop. SEDUM. Gen Pl. 789.

Cup 5 segments. Blossom 5 petals. Honey-cup scales 5 at the base of the germ. Capsules 5.

329. *Orpine.* — *S. Telephium.*

Leaves flattish, serrated, flowers in a leafy flat-topped spike, stem erect. — Curtis. III. 25.

Woods, July, P. Rare.

Aspley Wood.

330. *Thick-leaved Stonecrop.* — *S. dasyphyllum.*

Leaves

X Males. V Females. Dec. Pen.

Leaves opposite, ovate, blunt, fleshy ; stem weak, flowers scattered. — Curtis. III. 26.

Walls, June, P. Rare.

Market-Street.

Obs :

Leaves large in proportion, growing together, often reddish. Flowers whitish pink, small. Threads 12.

331. *White Stonecrop.* — *S. album.*

Leaves oblong, blunt, nearly cylindrical, sitting, expanding, tuft of flowers branched.— Curtis. I. 31. Flora Danica. 66.

Walls, July, P. Rare.

Stevington,—Sharnbrook.

Obs :

Flowers white, often flesh colored.

332. *Reflected Stonecrop.* — *S. reflexum.*

Leaves awl-shaped, scattered, loose at the base, lower ones bowed back. — Flora Danica. 113.

Walls and Roofs, July, P. Common.

333. *Biting Stonecrop.* — *S. acre.*

Leaves nearly ovate, growing together and sitting, bellying, nearly upright, alternate. Tuft of flowers parting into three. — Curtis. I. 32. Woodville. 231.

X Males. V Females. Dec. Pen,

Walls and Banks, June, P. Common.

Woodsorrel. OXALIS. Gen. Pl. 794.

Cup of 5 leaves. Petals united by the claws.
Capsules opening by angles, 5-cornered.

334. *Common Woodsorrel.* — O. Acetosella.

Stems bearing one flower, leaves in threes,
leaflets inversely heart-shaped, hairy. — Cur-
tis. II. 31. Woodville. 20. admirable.

Woods, April, P. Rare.

Aspley,—Ravensden,—Eversholt.

Cockle. AGROSTEMMA. Gen. Pl. 795.

Cup 1 leaf, leathery. Petals 5, with small
claws. Border blunt, entire. Capsule 1-
celled.

335. *Common Cockle.* — A. Githago.

Hairy, cups longer than the blossom, petals
entire, naked. — Curtis. III. 27. Martyn.
105. Flora Danica. 576.

Cornfields, July, A. Common.

Lychnis. LYCHNIS. Gen. Pl. 796.

Cup of 1 leaf, oblong, smooth. Petals 5,
with small claws. Border generally cloven.
Capsule 5-celled.

336. *Ragged Lychnis.* — L. flos cuculi.

Petals

X Males. V Females. Dec. Pen.

Petals divided into four, fruit nearly round.

— Curtis. I. 33. Flora Danica. 590.

Meadows, June. P. Common.

337. *Red & White Lychnis*. — *L. dioica*.

Male and female organs in separate plants.—

A. Curtis. II. 32. (red) B. Flora Danica. 792. (white)

A. Hedges, June, P. Rare.

Aspley,—Hazelwood Lane.

B. Hedges, June P. Common.

Mouse-ear. CERASTIUM. Gen. Pl. 797.

Cup of 5 leaves. Petals cloven. Capsule 1-celled, opening at the point.

338. *Common Mouse-ear*. — *C. vulgatum*.

Leaves ovate, petals even with the cup, stems spreading. — Curtis. II. 34.

Walls, Pastures, May, P. Common.

339. *Clammy Mouse-ear*. — *C. viscosum*.

Upright, woolly and clammy. — Curtis. II. 35.

Walls, Pastures, April, A. Common.

340. *Least Mouse-ear*. — *C. semidecandrum*.

Five males in the flower, petals nicked. — Curtis. II. 33.

Walls, April, A. Common.

Field

X Males. V Females. Dec. Pen.

341. *Field Mouse-ear*. — *C. arvense*.

Leaves between strap and spear-shaped, blunt, smooth, blossoms larger than the cup. —

Curtis. VI. 29. Sowerby. 93.

Cornfields, May, P. Rare.

Kempston,—Ford-End,—Barton Hill.

342. *Water Mouse-ear*. — *C. aquaticum*.

Leaves heart-shaped, sitting, flowers solitary, fruit hanging down. — Curtis. I. 34.

Wet Ditches, July, P. Common.

343. *Dwarf Mouse-ear*. — *C. pumilum*.

Five males in the flowers, petals cloven the length of the cup. Capsule twice as long as the cup. — Curtis. VI. 30.

Dry Banks, March, A. Rare.

Amptbill,—Aspley.

Spurrey. SPERGULA. Gen. Pl. 798.

Cup of 5 leaves. Petals 5, entire. Capsule ovate, 1-celled with 5 valves.

344. *Corn Spurrey*. — *S. arvensis*.

Leaves in whorls, 10 males in the flower. — Curtis. V. 31.

Cornfields, June, A. Common.

345. *Smooth Spurrey*. — *S. pentandra*.

Leaves

*Will it
grow in
on Ditch
Sunderland*

X Males. V Females. Dec. Pen.

Leaves in whorls, 5 males in the flower. —

Ray's Synopsis. 351.

Sandy Fields, August, A. Rare.

Amptbill.

346. *Knotted Spurrey*. — *S. nodosa*.

Leaves opposite, awl-shaped, smooth, stem simple. — Flora Danica. 96. Curtis. IV. 34.

Bogs, July, P. Rare.

Amptbill, — *Stevington*.

Obs :

This plant sometimes lies trailing, and takes up more ground, more often it is simple and erect. Bearing a white flower, large out of proportion. The parts of fructification highly embellish this small but elegant plant.

C L A S S. XI.

XII. Males. I Female. Dodec. Mo.

Grasspoly. LYTHRUM. Gen. Pl. 825.

Cup with 12 segments. Petals 6, inserted in the cup. Capsules with 2-cells and many seeds.

347. *Purple-spiked Grasspoly*. — *L. Salicaria*.

Leaves opposite, heart-spear-shaped, flowers in spikes, with 12 males in each. — Curtis.

III. 28.

Banks of Rivers, July, P. Common.

Hyssop

XII Males. I Female. Dodec. Mo.

348. *Hyssop Grasspoly*. — *L. hyssopifolium*.

Leaves alternate, strap-shaped, 6 males in each flower. — Sowerby. 292. admirable.

Ditches and wet Situations, July, A. Rare.

Goldington Green,—Oakley West Field.

Obs :

Stem 6 to 8 inches high, little branched, outermost branches at first spreading, then ascending. Flowers rather delicate, in the bosom of the leaves, pink, fugacious. Segments of the cup 12, as in the whole family, alternate ones bowed back.

XII Males. II Females. Dodec. Di.

Agrimony. AGRIMONIA. Gen. Pl. 830.

Cup with 5 teeth, surrounded by an outer cup. Petals 5. Seeds 2, in the bottom of the cup.

349. *Common Agrimony*. — *A. Eupatoria*.

Stem leaves winged, the odd one on a leafstalk, seeds rough with hair. — Curtis. V. 32.

Woodville. 258. Martyn. 37. admirable.

Pastures and Road-sides, July, P. Common.

XII Males. III. Females. Dodec. Tri.

Dyer's Weed. RESEDA. Gen. Pl. 831.

Cup of 1 leaf, divided. Petals jagged. Capsule opening with a mouth, 1-celled.

Yellow

XII Males. III Females. Dodec. Tri.

350. *Yellow Dyer's Weed*. — *R. Luteola*.

Leaves spear-shaped, entire, with 1 tooth on either side at the base, cups with 4 segments. — Martyn. 40. Sowerby. 320.

Walls and Way-sides, June, A. Common.

351. *Base Rocket*. — *R. lutea*.

All the leaves in threes, lower ones winged. — Sowerby. 321.

Cornfields, June, A. Rare.

Barton Hill.

Spurge. EUPHORBIA. Gen. Pl. 832.

Blossom 4 or 5 petals, sitting on the cup.

Cup 1 leaf, bellying. Capsule 3-berried.

352. *Petty Spurge*. — *E. Peplus*.

Umbels with 3 divisions, forked, fencelets ovate, leaves very entire, inversely ovate, on leafstalks. — Curtis. I. 35.

Gardens and Fields, July, A. Common.

353. *Dwarf Spurge*. — *E. exigua*.

Umbels with 3 divisions, forked, fencelets spear-shaped, leaves strap-shaped. — Curtis. IV. 36.

Cornfields, June, A. Common.

354. *Sun Spurge*. — *E. helioscopia*.

P

Umbels

XII Males. III Females. Dodec. Tri.

Umbels with 5 divisions, smaller ones with 3, forked, fencelets inversely ovate, leaves wedge-shaped, serrated. — Curtis. I. 36.

Gardens and Fields, July, A. Common.

355. *Wood Spurge*. — *E. amygdaloides*.

Umbels with many divisions, forked, fencelets perforated by the stem, round, leaves blunt. — Sowerby. 256.

Woods, April, P. Common.

356. *Broad-leaved Spurge*. — *E. platyphyllos*.

Umbel with 4 divisions, next 3, then forked, Fencelets with hairy keels, leaves serrated, spear-shaped, capsules warty.

Cornfields, July, A. Rare.

In the Corn near Bedford.

XII Males. Many Females. Dodec. Poly.

House-leek. SEMPERVIVUM. Gen. Pl. 837.

Cup 12 segments. Petals 12. Capsules 12, with many seeds.

357. *Common House-leek*. — *S. tectorum*.

Leaves fringed, off-sets expanding. — Curtis. III. 29.

Walls and Houses, June, P. Common.

CLASS.

C L A S S. XII.

XX Males. I Female. Ico. Mo.

Characters of the XIIth. Class.

1st. *A cup of one hollow leaf.*2d. *Petals fixed by the claws to the sides of the cup.*3d. *Threads more than 19, fixed to the sides of the cup or blossom, and not to the receptacle.**Plumb.* PRUNUS. Gen. Pl. 849.

Cup of 5 divisions, inferior. Petals 5. Nut of the fruit a stone, with prominent sutures.

358. *Bullace Plumb.* — *P. insititia.*

Fruitstalks in pairs, leaves ovate, slightly downy, rolled together, branches thorny. — Duhamel. 41.

Hedges, April, T. Rare.

*Oakley,—Renbold.*359. *Red Cherry Plumb.* — *P. Cerasus.*

Umbels nearly on fruitstalks, leaves ovate-spear-shaped, smooth, doubled together. — Blackwell. 449.

Woods, April, T. Common.

360. *Mazzard Cherry.* — *P. avium.*

XX Males. I Female. Ico. Mo.

Umbels sitting, leaves ovate-spear-shaped, downy underneath, doubled together, leaf-stalks with 2 glands. — Blackwell. 425.

Woods and Hedges, April, T. Rare.

Oakley Hedges,—Aspley Wood.

361. *Sloe-tree.* — *P. spinosa.*

Fruitstalks single, leaves spear-shaped, smooth, branches thorny. — Woodville. 84.

Hedges, March, T. Common.

XX Males. II Females. Ico. Di.

Hawthorn. CRATÆGUS. Gen. Pl. 854.

Cup of 5 segments. Petals 5. Berry inferior, containing 2 seeds.

362. *Whitebeam Tree.* — *C. Aria.*

Leaves ovate, cut in, serrated, downy underneath. — Flora Danica. 302.

Woods, Hedges, May, T. Rare.

Between Fenlake and Cardington.

363. *Common Hawthorn.* — *C. monogyna.*

Leaves generally divided into 3, sharp, female organ simple. — Blackwell. 149.

Woods, Hedges, May, T. Common.

Service.

XX Males. III Females. Ico. Tri.

Service. SORBUS. Gen. Pl. 623.

Cup of 5 segments. Petals 5. Berry inferior, containing 3 seeds.

364. *Mountain Ash.* — *S. aucuparia.*

Leaves winged, smooth on both sides. —
Sowerby. 337.

Woods, May, T. Rare.

Aspley Wood.

Obs :

Leaflets finely serrated, 5 pair with an odd one. The odd leaf oblong-ovate. Fruit nearly round, red when ripe.

XX Males. V Females. Ico. Pen.

Pear. PYRUS. Gen. Pl. 858.

Cup 5 segments. Petals 5. Apple inferior, with 5 cells and many seeds.

365. *Common Pear.* — *P. communis.*

Leaves serrated, smooth, flowers in flat-topped spikes. — Blackwell. 453.

Woods, Hedges, May, T. Rare.

Eversholt,—Thurleigh.

366. *Crab Apple.* — *P. Malus.*

Leaves serrated, umbels sitting. — Sowerby. 284.

Woods, Hedges, April, T. Common.

Meadow

XX Males. V Females. Ico. Pen.

Meadow-sweet. SPIRÆA. Gen. Pl. 862.

Cup 5 segments. Petals 5. Capsule with many seeds.

367. *Dropwort Meadow-sweet.*—S. Filipendula.

Leaves winged, leaflets strap-spear-shaped, irregularly serrated, very smooth, flowers in tufts. — Sowerby. 284.

Dry Pastures, July, P. Common.

Obs :

The greater and smaller leaflets (being arranged along the mid-rib of the leaf in alternate order) at once point out this species.

368. *Common Meadow-sweet.* — S. Ulmaria.

Leaves winged, leaflets ovate, doubly serrated, hoary underneath, flowers in tufts. — Curtis. V. 33.

Wet Meadows, July, P. Common.

XX Males. Many Females. Ico. Poly.

Rose. ROSA. Gen. Pl. 863.

Petals 5. Cup pitcher-shaped, with 5 segments, fleshy, contracted at the neck. Seeds many, rough with hair, fixed to the inner side of the cup.

369. *Sweet Briar.* — R. rubiginosa.

Germes round and prickly, prickles bent back, leaves rust-colored underneath. — Jacquin Flora Aust. 50.

Woods,

XX Males. Many Females. Ico. Poly.

Woods, Hedges, July, S. Common.

370. *Dog Rose*. — *R. canina*.

Germes ovate, fruitstalks smooth, stem and leafstalks prickly. — Curtis. V. 34. Woodville. 139.

Hedges, July, S. Common.

371. *White Rose*. — *R. arvensis*.

Germes round, fruitstalks smooth, stem and leafstalks prickly, flowers in tufts. — Sowerby. 188.

Hedges, June, S. Common.

Obs :

Flowers in some specimens nearly approaching to umbels, fruitstalks purple.

Bramble. RUBUS. Gen. Pl. 864.

Cup 5 segments. Petals 5. Berry composed of granulations, each containing 1 seed.

372. *Raspberry Bramble*. — *R. idæus*.

Leaves winged with 5 leaflets, and sometimes with 3, stem prickly, leafstalks channelled. — Woodville. 138.

Woods, May, S. Rare.

Everton, — Aspley.

373. *Dewberry Bramble*. — *R. cæsius*.

Leaves

XX Males. Many Females. Ico. Poly.

Leaves in threes, nearly naked, side-leaves with 2 lobes, stem round, prickly.

Woods, June, S. Common.

Obs :

Leaves mostly in three, not downy underneath.

374. *Blackberry Bramble.* — *R. fruticosus.*

Leaves 5 and 3-fingered, stem and leafstalks prickly. — Blackwell. 45.

Woods, Hedges, June, P. Common.

Obs :

Leaflets commonly 5, with very thick down underneath.

Strawberry. FRAGARIA. Gen. Pl. 865.

Cup 10 segments. Petals 5. Receptacle of the seeds ovate, like a berry, falling off.

375. *Common Strawberry.* — *F. vesca.*

Runners creeping. — Blackwell. 77.

Woods, May, P. Common.

376. *Barren Strawberry.* — *F. sterilis.*

Stem trailing, flowering branches loose. —

Curtis. III. 30. Hoffman Ger. Flo. 6.

Woods, Pastures, April, P. Common.

Cinquefoil. POTENTILLA. Gen. Pl. 866.

Cup 8 or 10 segments. Petals 4 or 5. Seeds nearly round, naked, fixed to a small dry receptacle.

Silver

XX Males. Many Females. Ico. Poly.

377. *Silver Weed Cinquefoil*. — *P. Anserina*.

Leaves winged, serrated, stem creeping, fruit-stalks with 1 flower. — Curtis. III. 31.

Road-sides, July, P. Common.

378. *Tormentil Cinquefoil*. — *P. argentea*.

Leaves wedge-shaped, in 5 divisions, cut in, downy underneath, stem upright. — Sowerby. 89.

Hilly Pastures, July, P. Rare.

Amptbill,—Aspley,—Rowney Warren.

Obs :

Leaflets 2 or 3 pair, towards the root more deeply jagged, underneath elegantly silvered, far from being unseemly in decay.

379. *Creeping Cinquefoil*. — *P. reptans*.

Leaves in fives, stem creeping, fruitstalks with 1 flower. — Curtis. I. 37.

Road-sides, June, P. Common.

Obs :

A central nick in each petal. We have seen as many leaflets as 7 or even 9 in some specimens.

380. *Trailing Cinquefoil*. — *P. procumbens*.

Leaves in fives, stem trailing, lowest flowers with 5, uppermost with 4 petals. — (*Sibthorpe.*) Petiver. XLI. 10.

Q

Woods,

XX Males. Many Females. Ico. Poly.

Woods, Heaths, June, P. Rare.

Amptbill,—Aspley.

381. *Septfoil.* — P. Tormientilla.

Leaves in threes, cup with 8 segments, blossoms with 4 petals. — Woodville. 27. Curtis. V. 35.

Heaths, Woods, June, P. Common.

Bennet. GEUM. Gen. Pl. 867.

Cup 10 segments. Petals 5. Seeds with a jointed awn.

382. *Herb Bennet.* — G. urbanum.

Flowers upright, fruit globular, woolly, awns hooked, bare, leaves lyre-shaped. — Woodville. 259. Curtis. II. 36.

Woods, Hedges, June, P. Common.

383. *Water Avens.* — G. rivale.

Flowers nodding, fruit oblong, awns feathery, twisted. — Sowerby. 106.

Moist Woods, May, P. Rare.

Putnoe Wood.

Obs :

A most elegant plant, leaves winged, greater and smaller leaflets in the root-leaves arranged alternately. Petals flesh colored, with a notch in the middle, marked with red veins. Cup mahogany-colored.

Marshblocks.

XX Males. Many Females. Ico. Poly.

Marshblocks. COMARUM. Gen. Pl.

Cup 10 segments. Petals 5, less in dimensions than the segments of the cup. Receptacle of the seed ovate, spongy, permanent.

384. *Purple Marshblocks.* — C. palustre.

Sowerby. 172. Hoffman. Ger. Flo. 7.

Marshes, June, P. Rare.

Obs:

Leaves winged, leaflets 2 or 3 pair, spear-shaped, serrated, with an odd one, leafscales very large, spear-shaped. Cups red. Petals less, of the same color. Seeds with granulations.

C L A S S. XIII.

Many Males. I Female. Poly. Mo.

Character of the XIIIth. Class.

Threads fixed to the receptacle.

Celandine. CHELIDONIUM. Gen. Pl. 880.

Blossom of 4 petals. Cup of 2 leaves. Pod 1-celled, strap-shaped.

385. *Common Celandine.* — C. majus.

Fruitstalks in umbels. — Woodville. 263.

Rubbish, June, P. Common.

Poppy. PAPAVER. Gen. Pl. 881.

Blossom of 4 petals. Cup of 2 leaves, capsule 1-celled, opening by pores under a permanent stigma.

Many Males. I Female. Poly. Mo.

386. *Round prickly-headed Poppy.* — *P. hybridum.*

Capsules nearly round, with prominences, rough with hair, stem leafy, many-flowered. — Sowerby. 43.

Cornfields, June, A. Common.

387. *Long prickly-headed Poppy.* — *P. Argemone.*

Capsules club-shaped, rough with hair, stem leafy, many-flowered. — Curtis. V. 38.

Cornfields, June, A. Common.

388. *Corn Rose.* — *P. Rhæas.*

Capsules smooth, round, stem hairy, many-flowered, leaves winged, jagged. — Curtis. III. 32.

Cornfields, June, A. Common.

389. *Long smooth-headed Poppy.* — *P. dubium.*

Capsules oblong, smooth, stem many-flowered, with bristles laid to, leaves winged, jagged. — Curtis. V. 37.

Cornfields, June, A. Common.

Lime-tree. TILIA. Gen. Pl. 894.

Cup 5 segments. Petals 5. Berry dry, globular, 5-celled, 5-valved, opening at the base.

390. *Common Lime.* — *T. europæa.*

Flowers without a honey-cup.

Woods,

Many Males. I Female. Poly. Mo.

Woods, July, T. Rare.

Everton,—Aspley,—Potton.

Sunflower. CISTUS. Gen. Pl. 913.

Blossom of 5 petals. Cup 5 leaves, 2 of the leaflets smaller.

391. *Sunflower Cistus.* — C. Helianthemum.

Rather shrubby, trailing, leaf-scales spear-shaped, leaves oblong, turned back, somewhat hairy. — Curtis. V. 36. Flora Danica. 101.

Hilly Pastures, July, S. Common.

Water Lilly. NYMPHÆA. Gen. Pl. 886.

Blossom of many petals. Cup 4 or 5 leaves. Berry many-celled, lopped.

392. *Yellow Lilly.* — N. lutea.

Leaves heart-shaped, entire; lobes approaching, cup of 5 leaves longer than the petals. — Sowerby. 159. admirable.

Rivers, July, P. Common.

393. *White Water Lilly.* — N. alba.

Leaves heart-shaped, very entire, lobes round, tiled, cup of 4 leaves. — Sowerby. 160.

Rivers, July, P. Common.

Larkspur.

Many Males. III Females. Poly. Tri.

Larkspur. DELPHINIUM. Gen. Pl.

Cup none. Petals 5. Honey-cup double,
horned behind.

394. *Common Larkspur.* — D. Consolidida.

Honey-cup of 1 leaf, stem subdivided. —
Flora Danica. 683.

Cornfields, June, A. Rare.

St. Leonard's Farm, near Bedford.

Many Males. V Females. Poly. Pen.

Columbine. AQUILEGIA. Gen. Pl. 954.

Cup none, petals 5, with small horns among
the petals, capsules 5, distinct.

395. *Common Columbine.* — A. vulgaris.

Honey-cups bent inwards. — Sowerby. 297.
Woods, June, P. Rare.

Barton Leat Wood.

Many Males. Many Females. Poly. Poly.

Anemone. ANEMONE. Gen. Pl. 948.

Cup none. Petals 6. Seeds many.

396. *Pasque Flower.* — A. Pulsatilla.

Fruitstalk with a fence, petals straight, leaves
with two rows of wings. — Flora Danica.
153. Relhan's Flora Cantab. at page 208.

Hills,

two
in
eggs
brown
moss

4/11/49

Many Males . Many Females. Poly. Poly.

Hills, April, May, P. Rare.

Barton Hill,—Luton Downs.

Obs :

The fence which approaches the petals before the plant is in flower, is seen at the distance of 1 or 2 inches from the seeds afterwards.

397. *Wood Anemone.* — *A. nemorosa.*

Seeds pointed, leaflets cut in, stem with 1 flower. — Curtis. II. 38. Sowerby. 355.

Woods, April, P. Common.

398. *Mountain Anemone.* — *A. apennina.*

Seeds pointed, leaflets cut in, petals spear-shaped, numerous. — (Curtis.)

Woods, April, P. Rare.

Luton Hooe.

Obs :

This plant I have never seen in the above habitat, but merely insert it upon the credit of Mr. Knowlton in Ray's Synopsis.

Traveller's Joy. CLEMATIS. Gen. Pl. 950.

Cup none. Petals 4 to 6. Seeds with a tail.

399. *Common Traveller's Joy.* — *C. Vitalba.*

Leaves winged, leaflets heart-shaped, climbing. — Curtis. IV. 37.

Hedges, July, S. Common.

Meadow

Many Males. Many Females. Poly. Poly.

Meadow Rue. THALICTRUM. Gen. Pl. 951.

Cup none. Petals 4 or 5. Seeds without a tail.

400. *Common Meadow Rue.* — T. flavum.

Stem leafy, grooved, panicle of many divisions, upright. — Sowerby. 367. admirable.

Wet Meadows, June, P. Common.

Crowfoot. RANUNCULUS. Gen. Pl. 953.

Cup of 5 leaves. Petals 5, with a honey-cup gland within the claws. Seeds naked.

401. *Small Spearwort.* — R. Flammula.

Leaves ovate-spear-shaped, on leafstalks, stem declining. — Curtis. VI. 37. Sowerby. 387.

Boggy Heaths, July, P. Rare.

Oakley,—Stevington,—Amptill.

Obs :

This sportive species varies, with leaves very entire, or deeply serrated.

402. *Great Spearwort.* — R. Lingua.

Leaves spear-shaped, stem erect. — Sowerby. 100. admirable.

Banks of Rivers, Ditches, July, P. Rare.

Goldington,—Oakley.

Pilewort

Many Males. Many Females. Poly. Poly.

403. *Pilewort*. — R. *Ficaria*.

Leaves heart-shaped, angular, on leafstalks,
stem with 1 flower. — Martyn. 21.

Meadows, April, P. Common.

Obs :

The honey-cup gland being present, we must, in spite of it's having only 3 leaves to the cup, place this plant with the rest of the genus.

404. *Goldilocks Crowfoot*. — R. *auricomus*.

Root-leaves kidney-shaped, crenated, cut in,
stem-leaves fingered, strap-shaped, stem
with many flowers. — Curtis. II. 41.

Woods, Thickets, April, P. Common.

Obs :

In the whole system there is no plant more variable in it's leaves than this. It affords specimens of the palmated, kidney-shaped, fingered, spear and strap-shaped leaves. Some of the petals are generally wanting.

405. *Celery-leaved Crowfoot*. — R. *sceleratus*.

Lower leaves hand-shaped, upper ones fingered, fruit oblong. — Curtis. II. 42.

Pools and wet Places, June, A. Common.

Obs :

Fruit ovate.

406. *Bulbous Crowfoot*. — R. *bulbosus*.

R

Cups

Many Males. Many Females. Poly. Poly.

Cups bent back, fruitstalks grooved, stem upright, with many flowers, leaves compound. — Curtis. I. 38. Martyn. 28. admirable.

Pastures, May, P. Common.

Obs :

Root like a turnep in miniature.

407. *Pale-leaved Crowfoot.* — *R. hirsutus.*

Root fibrous, annual, stem hairy, cups rough with projecting points, and turned back. — Curtis. II. 40.

Pastures, June, A. Common.

Obs :

Leaves paler than in the preceding species.

408. *Creeping Crowfoot.* — *R. repens.*

Cups open, fruitstalks grooved, suckers creeping, leaves compound. — Curtis. IV. 38. Martyn. 29.

Wet Meadows, June, P. Common.

409. *Upright Crowfoot.* — *R. acris.*

Cups open, fruitstalks round, leaves with many divisions parted into three, upper ones strap-shaped. — Curtis. I. 39. Woodville. 246. Martyn. 30.

Meadows, June, P. Common.

410. *Corn Crowfoot.* — *R. arvensis.*

Seeds

Many Males. Many Females. Poly. Poly.

Seeds prickly, upper leaves doubly compound, strap-shaped. — Curtis. VI. 36.
Martyn. 56. Flora Danica. 219.

Cornfields, May, A. Common.

411. *Small-flowered Crowfoot.* — *R. parviflorus.*

Seeds prickly, leaves simple, jagged, pointed, hairy, stem spreading. — Sowerby. 120.

Road-sides, May, A. Common.

412. *Ivy-leaved Crowfoot.* — *R. hederaceus.*

Leaves nearly round, of 3 lobes, very entire, stem creeping. — Curtis. IV. 39.

Boggy Places, May, P. Rare.

Obs :

Without an useful remark, the Botanical Pupil may here be led into an error. The leaves correspond not with those of the rest of the family. The number of threads is not perfect. But the honey-cup-gland (the sure mark of the Crowfoot) determines the plant.

413. *Various-leaved Water Crowfoot.* — *R. heterophyllus.*

Leaves under the water hair-like, those above water with central fruitstalks. — Sowerby.

101.

Pools, May, P. Common.

414. *River Crowfoot.* — *R. fluviatilis.*

All the leaves hair-like. — Flora Danica. 376.

Pools and Rivers, June, P. Common.

R 2

Obs :

Many Males. Many Females. Poly. Poly.

Obs :

We are obliged to relinquish the other two varieties, which the late celebrated Dr. Sibthorpe has called aquatilis and circinatus, for we have not yet determined them by cultivation.

Marsh Marigold. CALTHA. Gen. Pl. 957.

Cup none. Petals 5. Honey-cups none.

Capsules many, with many seeds.

415. *Marsh Marigold.* — C. palustris.

Curtis. I. 40.

Wet Ditches, April P. Common.

Hellebore. HELLEBORUS. Gen. Pl. 956.

Cup none. Petals 5 or more. Honey-cups 2-lipped, tubular. Capsules with many seeds, rather erect.

416. *Green Hellebore.* — H. viridis.

Stem cloven. Branches leafy, with 2 flowers, leaves fingered. — Curtis. VI. 34. Sowerby. 200. admirable. Woodville. 19.

Pastures, February, P. Rare.

King's House Long Hill, Goldington.

Obs :

Leaflets serrated towards the points, petals pointed, permanent.

417. *Stinking Bear's-foot.* — H. fætidus.

Stem with many flowers, leaves bird-footed. — Woodville. 57.

Thickets, March, P. Rare.

Bromham, — Stevington, — Stagsden.

C L A S S.

C L A S S. XIV.

II Powers. Didynamia.

Character of the XIVth. Class.

Four threads in the flower, two higher than the others.

*

II Powers. Seeds naked. Did. Gymn.

Bugle. AJUGA. Gen. Pl. 959.

Upper lip the least. Threads longer than the upper lip.

418. *Common Bugle.* — A. reptans.

Smooth, suckers creeping. — Curtis. II. 43.

Woods, May, P. Common.

Germander. TEUCRIUM. Gen. Pl. 960.

Blossom without an upper lip, divided beyond the base, straddling where the threads are.

419. *Common Germander.* — T. Chamædrys.

Leaves wedge-ovate, jagged, crenated, on leafstalks, flowers in threes, stems trailing, somewhat hairy. — Woodville. 243.

Road-sides and Walls, June, P. Rare.

Warden.

420. *Wood Sage.* — T. Scorodonia.

Leaves heart-shaped, serrated, on leafstalks, bunches lateral, flowering on one side, stem upright. — Curtis. V. 40.

Heaths,

II Powers. Seeds naked. Did. Gymn.

Heaths, Woods, July, P. Rare.

Aspley, — Amptbill.

Obs :

Stem 1 or 2 feet high. Suckers creeping, leaves bluntly heart-shaped, lower ones on longish fruitstalks, upper ones almost sitting, veiny, in some specimens like net-work. Floral leaves ovate.

421. *Ground Pine.* — T. Chamæpitys.

Leaves in threes, strap-shaped, very entire, flowers sitting, single stem spreading. — Sowerby. 77. *Ajuga Chamæpitys.*

Dry Pastures, June, A. Rare.

Luton Downs. J. Sibley, Esq.

Cat-mint. NEPETA. Gen. Pl. 961.

Blossom, the middle segment of the lower lip scolloped, the lateral ones abridged by the edge of the mouth, bent back. Threads approaching.

422. *Common Cat-mint.* — N. Cataria.

Flowers in spikes, whorls on short fruitstalks, leaves on leafstalks, heart-shaped, tooth-serrated. — Sowerby. 137.

Hedges, July, P. Common.

Vervain. VERBENA. Gen. Pl. 43.

Blossom funnel-shaped, nearly equal, crooked, one tooth of the cup lopped.

Common

II Powers. Seeds naked. Did. Gymn.

423. *Common Vervain.* — *V. officinalis.*

Spikes thread-shaped, paniced, leaves jagged, with many divisions, stem solitary. — Curtis. I. 41. Woodville. 218. Hoffman. Ger. Flo. 2.

Road-sides, July, P. Common.

Mint. MENTHA. Gen. Pl. 967.

Blossom nearly equal, 4 segments, 1 segment nicked. Threads upright, distant.

424. *Rough Water Mint.* — *M. hirsuta.*

Flowers in heads, leaves ovate, serrated, nearly sitting, downy, threads longer than the blossom. — Ray. X. 1. Sowerby. 447.

Watery Places, August, P. Common.

425. *Smooth Water Mint.* — *M. aquatica.*

Leaves egg-shaped, serrated on leafstalks, threads longer than the blossom. — Petiver. XXXI. 6.

Watery Places, August P. Rare.

Oakley.

426. *Field Mint.* — *M. arvensis.*

Flowers in whorls, leaves ovate, pointed, serrated, threads even with the blossom. — Flora Danica. 512.

Wet Places, July, P. Common.

Ground

II Powers. Seeds naked. Did. Gymn.

Ground Ivy. GLECHOMA. Gen. Pl. 970.

Each pair of anthers growing together, in the shape of a cross. Cup 5 segments.

427. *Common Ground Ivy.* — *G. hederacea.*

Leaves kidney-shaped, crenated. — Curtis. II.

44. Martyn. 61. admirable.

Hedges, April, P. Common.

Archangel. LAMIUM. Gen. Pl. 971.

Upper lip of the blossom entire, arched, lower lip with 2 lobes, the mouth with a marginal tooth on each side.

428. *White Archangel.* — *L. album.*

Leaves heart-shaped, pointed, serrated, on leafstalks, whorls with 20 flowers. — Curtis.

II. 45. Martyn. 26.

Rubbish, Gardens, April, P. Common.

429. *Red Archangel.* — *L. purpureum.*

Leaves heart-shaped, on bluntish leafstalks. —

Curtis. I. 42. Martyn. 25.

Rubbish, Gardens, April, A. Common.

430. *Henbit Archangel.* — *L. amplexicaule.*

Floral leaves sitting, embracing the stem, blunt. — Curtis. II. 46.

Walls, Cornfields, May, A. Common.

All-heal

II Powers. Seeds naked. Did. Gymn.

All-beal. GALEOPSIS. Gen. Pl. 972.

Upper lip of the blossom somewhat crenated,
arched : lower lip with two teeth above.

431. *Corn All-beal.* — G. Ladanum.

Stems of an equal thickness between each
joint, all the whorls remote, cups not pun-
gent. — Petiver. XXXIII. 2.

Cornfields, June, A. Common.

432. *Nettle Hemp.* — G. Tetrahit.

Joints of the stem thickened above, upper
whorls somewhat near together, cups some-
what pungent. — Sowerby. 207.

Cornfields, June, A. Common.

Weazle-snout. GALEOBDOLON. (*Hudson.*)

Upper lip of the blossom upright, vaulted ;
lower lip cloven into 3, segments unequal,
middlemost longer.

433. *Yellow Nettle.* — G. luteum.

Whorls with 6 flowers, fence of 4 leaves. —
Curtis. IV. 40.

Woods, Thickets, May, P. Common.

Obs :

*Leaves opposite, nettle-shaped. Flowers in each whorl 6 to
12, more crowded in the center, thinner at top and bottom.*

S

Betony.

II Powers. Seeds naked. Did. Gymn.

Betony. BETONICA. Gen. Pl. 973.

Cup awned. Upper lip of the blossom ascending, flattish, tube cylindrical.

434. *Wood Betony.* — *B. officinalis.*

Spike interrupted, the intermediate segment of the lip nicked. — Curtis. III. 33. Woodville. 241.

Woods, July, P. Common.

Woundwort. STACHYS. Gen. Pl. 974.

Upper lip of the blossom arched, lower one bent back at the sides, intermediate segment greater and nicked. Threads after flowering bent towards the sides.

435. *Hedge Nettle.* — *S. sylvatica.*

Whorls with 6 flowers, leaves heart-shaped, on leafstalks. — Curtis. III. 34. Sowerby. 416.

Hedges, July, P. Common.

436. *Clown's All-beal.* — *S. palustris.*

Whorls about 6 flowers in each, leaves strap-spear-shaped, half embracing the stem and sitting. — Curtis. III. 35.

Ditches, July, P. Common.

Henbit. BALLOTA. Gen. Pl. 975.

Cup

II Powers. Seeds naked. Did. Gymn.

Cup salver-shaped, with 5 teeth and 10 scores.

Upper lip of the blossom scalloped, concave.

437. *Stinking Henbit.* — *B. nigra.*

Leaves heart-shaped, entire, serrated, cups pointed. — Sowerby. 46. Blackwell. 136.

Hedges, July, P. Common.

Horehound. MARRUBIUM. Gen. Pl. 976.

Cup salver-shaped, stiff, with 10 scores.

Upper lip of the blossom with 2 segments, strap-shaped, straight.

438. *Common Horehound.* — *M. vulgare.*

Teeth of the cup bristle-shaped, hooked, — Sowerby. 410. Woodville. 97.

Road-sides, July, P. Rare.

Elstow,—Cople,—Everton.

Lion's-tail. LEONURUS. Gen. Pl.

Anthers sprinkled with shining dots.

439. *Mother-wort.* L. Cardiaca.

Stem leaves with 3 lobes, spear-shaped. — Sowerby. 286.

Road-sides, June, P. Rare.

Ford-End.

II Powers. Seeds naked. Did. Gymn.

Basil. CLINOPODIUM. Gen. Pl. 980.

Fence of many bristles, placed under the whorl.

440. *Wild Basil.* — C. vulgare.

Heads roundish, rough with hair, floral leaves bristle-shaped. — Flora Danica. 930.

Hedges, July, P. Common.

Marjoram. ORIGANUM. Gen. Pl. 981.

Cup a spiked 4-cornered cone.

441. *Common Marjoram.* — O. vulgare.

Spikes roundish, paniced, clustered, floral leaves ovate, longer than the cup. — Curtis. V. 39. Woodville. 164.

Chalky Hills, July, P. Rare.

Streatley, — Luton Downs.

Thyme. THYMUS. Gen. Pl. 982.

Cups with 2 lips, mouth closed with soft hairs.

442. *Mother of Thyme.* — T. Serpyllum.

Flowers in heads, stems creeping, leaves blunt, flat, fringed at the base. — Curtis.

II. 47. Woodville. 110.

Banks, July, B. Common.

443. *Basil Thyme.* — T. Acinos.

Flowers

II Powers. Seeds naked. Did. Gymn.

Flowers in whorls, fruitstalks with 1 flower, stems upright, somewhat branched, leaves pointed, serrated. — Curtis. I. 43. Sowerby. 411.

Cornfields, July, A. Rare.

Barton Hill,—Aspley.

Obs :

A white semilunar spot in the center of the lower lip at once determines this species.

Calamint. MELISSA. Gen. Pl. 983.

Cup dry, somewhat flat above, upper lip nearly flat-topped; upper lip of the blossom arched, middle lobe of the lower heart-shaped.

444. *Field Calamint.* — M. Calamintha.

Fruitstalks from the bosom of the leaves, the length of the leaves. — Blackwell. 166.

Road-sides, August, A. Common.

Self-beal. PRUNELLA. Gen. Pl. 990.

Threads with 2 forks, one point supporting the anthers, stigma cloven in two.

445. *Common Self-beal.* — P. vulgaris.

All the leaves ovate-oblong, serrated, on leafstalks. — Curtis. IV. 42.

Pastures, June, P. Common.

Skull-cap.

II Powers. Seeds naked. Did. Gymn.

Skull-cap. SCUTELLARIA. Gen. Pl. 989.

Cup, mouth entire, after flowering closed, with a lid.

446. *Common Skull-cap.* — *S. galericulata.*

Leaves heart-spear-shaped, scolloped, flowers from the bosoms of the leaves. — Curtis. III. 36.

Ditches, July, P. Common.

* *

II Powers. Seeds covered. Did. Ang.

Rattle. RHINANTHUS. Gen. Pl. 997.

Cup of 4 segments, bellying. Capsule 2 cells, blunt, compressed.

447. *Yellow Rattle.* — *R. Crista galli.*

Upper lip of the blossoms flat and shorter. — Curtis. V. 43. Martyn. 138.

Meadows and Pastures, June, A. Common.

Eyebright. EUPHRASIA. Gen. Pl. 998.

Cup of 4 segments, cylindrical, capsule 2 cells, ovate-oblong. Anthers below, with 1 point, thorny at the base.

448. *Common Eyebright.* — *E. officinalis.*

Leaves ovate, streaked and sharply toothed. — Curtis. V. 42. Woodville. 220.

Pastures, July, A. Common.

II Powers. Seeds covered. Did. Ang.

449. *Corn Eyebright*. — E. *Odontites*.

Leaves strap-shaped, all serrated. — Curtis.

I. 44. Martyn. 42.

Pastures and Cornfields, July, A. Common.

Cow-wheat. MELAMPYRUM. Gen. Pl. 999.

Cup of 4 segments, upper lip of the blossom flat, with a margin folded back. Capsule 2 cells, oblique, opening on one side. Seeds 2, hunched.

450. *Crested Cow-wheat*. — M. *cristatum*.

Spikes 4-square, floral leaves heart-shaped, compact, finely toothed, tiled. — Sowerby.

41.

Woods, June, A. Common.

451. *Meadow Cow-wheat*. — M. *pratense*.

Flowers pointing one way, sidelong, union of the leaves remote, blossoms closed. — Sowerby. 113.

Woods, July, A. Rare.

Aspley Wood.

Toothwort. LATHRÆA. Gen. Pl. 1000.

Cup with 4 segments. A depressed gland at the base of the seam of the germ. Capsule 1-cell.

Great

II Powers. Seeds covered. Did. Ang.

452. *Great Toothwort*. — *L. squamaria*.

Stem very simple, blossoms hanging down,
lower lips cloven into three.—Sowerby. 50.

Hedges and Road-sides, April, P. Rare.

Whipsnade,—Studham.

Lousewort. PEDICULARIS. Gen. Pl. 1003.

Cup of 5 segments. Capsules 2-celled, pointed, oblique. Seeds coated.

453. *Marsh Lousewort*. — *P. palustris*.

Stem branched, cups crested with callous dots, blossoms oblique in the lip. — Sowerby. 399.

Marshes, June, P. Common.

464. *Common Lousewort*. — *P. sylvatica*.

Stem branched, cups oblong, angular, smooth, blossoms with a heart-shaped lip. — Sowerby. 400.

Heaths, May, A. Rare.

Amptbill Heath.

Snapdragon. ANTIRRHINUM. Gen. Pl. 1007.

Cup of 5 leaves, base of the blossom jutting down beneath, with a honey-like liquor. Capsule 2-celled.

Ivy-leaved

II Powers. Seeds covered. Did. Ang.

455. *Ivy-leaved Snapdragon*. — *A. Cymbalaria*.

Leaves heart-shaped, with 5 lobes, alternate, stems trailing. — Curtis. I. 45.

Walls, June, P. Rare.

Luton Hooe.

Obs :

A very elegant plant. Leaves truly like ivy. Upper lip of the blossom cloven in two and bent back.

456. *Sharp-pointed Fluellin*. — *A. Elatine*.

Leaves halberd-shaped, alternate, stems trailing. — Curtis. I. 46.

Cornfields, July, A. Rare.

Brombam,—Clapham.

457. *Round-leaved Fluellin*. — *A. spurium*.

Leaves ovate, alternate, stems trailing. — Curtis. III. 37.

Cornfields, July, A. Rare.

Clapham,—Brombam,—Stevington.

Obs :

Leaves more close in their order, and larger than in the preceding species.

458. *Least Snapdragon*. — *A. minus*.

Leaves mostly alternate, spear-shaped, blunt, stem very much branched, spreading. — Curtis. V. 41.

T

Cornfields,

II Powers. Seeds covered. Did. Ang.

Cornfields, June, A. Rare.

Oakley West Field.

Obs:—

Root fibrous, stem a span high.

459. *Great Snapdragon*. — *A. majus*.

Blossoms without a spur, flowers in spikes,
cups rounded. — Sowerby. 129.

Walls, July, B. Rare.

Elstow,—Bedford.

460. *Common Toadflax*. — *A. Linaria*.

Leaves spear-strap-shaped, crowded, stem
upright, spikes terminal, sitting, flowers
tiled. — Curtis. I. 47. Martyn. 93. Wood-
ville. 221.

Road-sides, August, P. Common.

Figwort. SCROPHULARIA. Gen. Pl. 1014.

Cup 5 segments. Blossom nearly round,
reversed. Capsule 2-celled.

461. *Knobby-rooted Figwort*. — *S. nodosa*.

Leaves heart-shaped, with 3 nerves in them,
stem with pointed angles. — Blackwell. 87.

Woods, July, P. Common.

462. *Water Figwort*. — *S. aquatica*.

Leaves

II Powers. Seeds covered. Did. Ang.

Leaves heart-shaped, blunt, on leafstalks, running down, stems angular, edged with a membrane, bunches terminating. — Curtis. V. 44.

Ditches, July, P. Common.

Foxglove. DIGITALIS. Gen. Pl. 1017.

Cup 5 segments. Blossom bell-shaped, 5 segments, bellying. Capsule ovate, 2-celled.

463. *Common Foxglove.* — D. purpurea.

Leaves of the cup ovate, pointed, blossoms blunt, upper lip entire. — Curtis. I. 48. Woodville. 24.

Hedges, Road-sides, July, B. Rare.

Aspley,—Maulden.

Obs :

Before flowering the blossom is closed, during flower tubular and labiate, the tube marked with purple spots.

Mudwort. LIMOSELLA. Gen. Pl. 1039.

Cup 5 segments. Blossom 5 segments, equal. Threads in pairs, approaching. Capsule 1 cell, 2 valves, many seeds.

464. *Plantain Mudweed.* — L. aquatica.

Leaves spear-shaped. — Sowerby. 357. admirable. Flora Danica. 69.

II Powers. Seeds covered. Did. Ang.

Wet Places, July, A. Rare.

Goldington Green.

Obs :

Leaves like those of plantain, root creeping.

Broomrape. OROBANCHE. Gen. Pl. 1045.

Cup 2 segments. Blossom gaping. Capsule
1 cell, 2 valves, many seeds ; a gland at the
base of the germ.

465. *Great Broomrape.* — *O. major.*

Stem undivided, downy, threads just emerging. — Curtis. IV. 44. Sowerby. 421.

Pastures, Woods, June, P. Rare.

Oakley,—Amptbill,—Aspley.

C L A S S. XV.

Character of the XVth. Class.

Six threads in the flower, 4 higher, 2 lower.

Tetradynamia. — *Capsule either a Pouch
or a Pod.*

*

Capsule a Pouch. Siliculosa.

Whitlow Grass. DRABA. Gen. Pl. 1076.

Pouch entire, oval-oblong, valves flattish,
parallel to the partition. Style none.

Vernal

Capsule a Pouch. Siliculosa.

466. *Vernal Whitlow Grass.* — *D. verna.*

Stems naked, somewhat serrated. — Curtis.
I. 49.

Walls and Fields, March, A. Common.

Shepherd's Purse. THLASPI. Gen. Pl. 1078.

Pouch nicked, inversely-heart-shaped, with many seeds, valves boat-shaped, keeled and bordered.

467. *Common Shepherd's Purse.* — *T. Bursa pastoris.*

Pouches inversely heart-shaped, root leaves winged. — Curtis. I. 40.

Walls and Fields, April, A. Common.

Scurvy Grass. COCHLEARIA. Gen. Pl. 1079.

Pouch nicked, swelling, rough, valves hunched, blunt.

468. *Swine's Cresses.* — *C. Coronopus.*

Leaves winged, stem depressed. — Martyn.
92.

Road-sides, June, A. Common.

Candy Tuft. IBERIS. Gen. Pl. 1080.

Blossom irregular, the two outermost petals largest. pouch with many seeds nicked.

469. *Rock Cress.* — *I. nudicaulis.*

Herbaceous,

Capsule a pouch. Siliculosa.

Herbaceous, leaves waved, stem naked, undivided. — Curtis. VI. 42. Sowerby. 327. Flora Danica. 323.

Sandy Banks, May, A. Rare.

Amptbill,—Clopbill,—Aspley.

* *

Capsule a Pod. Siliquosa.

Ladies' Smock. CARDAMINE. Gen. Pl. 1088.

Pod opening with elasticity, valves rolling back. Stigma entire. Capsule somewhat gaping.

470. *Common Ladies' Smock.* — *C. pratensis.*

Leaves winged, root-leaflets nearly round, stem-leaflets spear-shaped. — Curtis. III. 40. Woodville. 30. Martyn. 95.

Wet Meadows, April, P. Common.

471. *Hairy Ladies' Smock.* — *C. hirsuta.*

Leaves winged, 4 males in each flower. — Curtis IV. 48. Sowerby. 492.

Wet Ditches, April, A. Rare.

Eversholt,—Aspley.

Water Cress. SISYMBRIUM. Gen. Pl. 1089.

Pod opening, valves almost straight, cup open, blossom expanding.

Common

Capsule a Pod. Siliquosa.

472. *Common Water Cress*. — *S. Nasturtium*.

Pods declining, leaves winged, leaflets nearly heart-shaped. — Curtis. VI. 44.

Watery Places, June, B. Common.

473. *Creeping Water Cress*. — *S. sylvestre*.

Pods declining, oblong-ovate, leaflets spear-shaped, serrated. — Curtis. III. 41.

Meadows, June, P. Common.

474. *Fagged-leaved Water Cress*. — *S. amphibium*.

Pods declining, oblong-ovate, leaves winged, tooth-serrated. — Petiver. XLIX. 9.

Banks of Rivers, July, P. Common.

475. *Annual Water Radish*. — *S. terrestre*.

Leaves with winged divisions, pods full of seeds. — Curtis. V. 49.

Wet Places, June, A. Rare.

Elstow, — Goldington.

Obs :

Pods extremely turgid.

476. *Flixweed*. — *S. Sophia*.

Petals smaller than the cup, leaves winged, and doubly compound. — Martyn. 57.

Rubbish, June, A. Common.

Wormseed.

Capsule a Pod. Siliquosa.

Wormseed. ERYSIMUM. Gen. Pl. 1090.

Pod like a pillar, exactly 4-sided, cup closed.

477. *Hedge Mustard.* — E. officinale.

Pods pressed to the spike, leaves notched. -

Curtis. V. 50. Woodville. 244.

Rubbish, July, A. Common.

478. *Garlick Wormseed.* — E. Alliaria.

Leaves heart-shaped. — Curtis. II. 48.

Woodville. 245.

Hedges, April, B. Common.

479. *Winter Cresses.* E. Barbarea.

Leaves lyre-shaped, outer segment roundish. -

Sowerby. 443.

Banks, May, P. Common.

Wallflower. CHEIRANTHUS. Gen. Pl. 1091.

Germ with a glandular tooth on each side,
cup closed, 2 of the leaves hunched at the

base. Seeds flat.

480. *Common Wallflower.* — C. Cheiri.

Leaves spear-shaped, pointed, smooth, very
entire, branches angular, stem shrubby. —
Petiver. XLV. 3.

Walls, May, P. Rare.

Walls of Bedford Castle.

Turkey-pod.

Capsule a Pod. Siliquosa.

Turkey-pod. ARABIS. Gen. Pl. 1094.

Honey-cup-glands 4, one within each leaf of the cup, like a reflected scale.

481. *Mouse-ear.* — A. thaliana.

Leaves on leafstalks, spear-shaped, very entire. — Curtis. II. 49.

Walls and Fields, April, A. Rare.

Amptbill,—Aspley.

Obs :

The bottom leaves form a rose : stem a span high and more, seldom branched, stem leaves ovate, somewhat scolloped, flowers minute, pods long, nail-shaped, and standing on fruitstalks.

Cabbage. BRASSICA. Gen. Pl. 1096.

Cup erect, approaching. Seeds round, a gland between the shorter threads and the female organ, and between the longer and the cup.

482. *Turnep.* — B. Rapa.

Root continuing from the stem round, flatted, fleshy. — Martyn. 49. 50. admirable.

Fields, April, B. Common.

483. *Navew.* — B. Napus.

Root continuing from the stem, spindle-shaped. — Martyn. 103.

U

Fields,

Capsule a Pod. Siliquosa.

Fields, April, B. Rare.

Aspley.

Mustard. SINAPIS, Gen. Pl. 1097.

Cup open, claws of the blossom upright, a gland between the shorter threads and the female organ, and between the longer and the cup.

484. *Common Mustard.* — *S. arvensis.*

Pods with many angles, swollen and branched out, smooth, longer than the two-edged beak. — Curtis. V. 47. Martyn. 101.

Fields, June, A. Common.

485. *White Mustard.* — *S. alba.*

Pods rough with hair, beak sword-shaped, oblique, and very long. — Curtis. V. 46. Martyn. 70.

Fields, June, A. Common.

Obs :

This plant is easily distinguished from all the other species, by it's scymitar-shaped beak.

486. *Black Mustard.* — *S. nigra.*

Pods smooth, pressed close to the spikestalk. — Woodville. 151. Martyn. 51.

Cornfields, July, A. Rare.

Clapham Hill, — Cardington.

Radish.

Capsule a Pod. Siliquosa.

Radish. RAPHANUS. Gen. Pl. 1098.

Cup closed. Pod branching out, mostly jointed, round. Honey-cup-glands 2, between the shorter threads and the female organ, as many between the longer ones and the cup.

487. *Wild Radish.* — R. Raphanistrum.

Pods round, jointed, smooth, 1-celled. —
Curtis. IV. 46. Martyn. 71.

Cornfields, July, A. Common.

C L A S S. XVI.

Character of the XVIth. Class.

*The threads are all united at the base, but
separate at the top.*

Threads in I Set. V Males. Monad. Pentand.

Stork's-bill. ERODIUM. (L' Heritier.)

Cup of 5 leaves. Blossom of 5 petals. Nectary 5 scales, with alternate filaments and honey-cup-glands, sitting on the base of the threads. Fruit 5 seeds, each with a beak. Beaks twisted like a corkscrew, bearded within.

488. *Hemlock-leaved Stork's-bill.* — E. cicutarium.

Threads in I Set. V Males. Monad. Pentand.

Fruitstalks with many flowers, leaves winged, leaflets sitting, with many divisions. — Curtis. I. 51.

Walls and Fields, May, A. Common.

489. *Burnet Stork's-bill*. — *E. pimpinellæ-folium*.

Fruitstalks with many flowers, leaves winged, leaflets doubly winged, 2 upper petals spotted. — (*Sibthorpe*.)

Sandy Fields, June, A. Rare.

Aspley.

Obs :

Petals not with 2 spots in each, but the 2 upper petals marked each at the base with 1 greenish spot.

Threads in I Set. X Males. Monad. Decand.

Crane's-bill. GERANIUM. (*L' Heritier*.)

Cup of 5 leaves. Blossom regular, of 5 petals. Nectary 5 honey-bearing glands, growing to the base of the longer threads. Fruit a seed of 5 berries, beaked; beaks simple, naked, neither twisted nor bearded.

490. *Meadow Crane's-bill*. — *G. pratense*.

Fruitstalks with 2 flowers, leaves with nearly central footstalks, in many divisions, wrinkled, pointed, petals entire. — Curtis. IV. 49. Sowerby. 404.

Meadows,

Threads in I Set. X Males. Monad. Decand.

Meadows, June, P. Common.

491. *Perennial Crane's-bill*. — *G. pyrenaicum*.

Leaves rounded, with 3 or nearly 5 lobes, cut in, petals cloven in two. — Curtis. III. 42.

Rubbish, June, P. Rare.

Luton Hooe,—Ford-End.

Obs :

Root rather woody, flowering branches prostrate, adorned with numerous flowers, twice as large as those of the common Dove's-foot. Petals nicked, between rose and flesh color. Anthers blue.

492. *Dusky Crane's-bill*. — *G. phæum*.

Fruitstalks solitary, opposite the leaves, cups somewhat awned, stem upright, petals waved. — Sowerby. 322.

Pastures and Lanes, June, P. Rare.

Eversholt.

Obs :

The threads almost incorporated at the base afford an excellent instance of the class Monadelphica. It is distinguished, by its elegantly waved, reflected and dusky brown petals.

493. *Herb Robert*. — *G. robertianum*.

Leaves in fives and threes, cut in, cups with 10 angles. — Curtis. I. 52.

Walls, Hedges, June, A. Common.

Shining

Threads in I Set. X Males. Monad. Decand.

494. *Shining Crane's-bill*. — *G. lucidum*.

Fruitstalks with 2 flowers, cups pyramidal, angular, angles raised and wrinkled, leaves with 5 lobes rounded. — *Flora Danica*. 218.

Walls, Hedges. June, A. Rare.

Elstow, — Caldwell.

495. *Soft Dove's-foot Crane's-bill*. — *G. molle*.

Fruitstalks with 2 flowers, floral leaves alternate, petals cloven, cups awnless, stem nearly upright. — *Curtis*. II. 50.

Cornfields, May, A. Common.

496. *Longstalked Dove's-foot Crane's-bill*. — *G. columbinum*.

Fruitstalks longer than the leaf, leaves with 5 divisions and many segments, cups with 5 angles, coat of the seeds smooth. — *Sowerby*. 259.

Cornfields, July, A. Rare.

Cox's Pits, Biddenham.

497. *Fagged-leaved Crane's-bill* — *G. dissectum*.

Fruitstalks shorter than the leaf, leaves with 5 divisions, subdivided into three, petals nicked, coat of the seeds woolly. — *Curtis*. VI. 45.

Hedges

Threads in I Set. X Males. Monad. Decand.

Hedges and Cornfields, June, A. Common.

498. *Small-flowered Dove's-foot Crane's-bill.* —
G. parviflorum.

Stem somewhat downy, 5 males in the flower,
 petals nicked, seedcoats smooth, covered
 with flattened hairs. — (*Curtis.*)

Curtis. VI. 46. *Sowerby.* 385.

Fallow Fields, June, A. Common.

Threads in I Set. Many Males. Monad. Polyand.

Mallow. MALVA. Gen. Pl. 1134.

Cup double, outer one of 3 leaves, seed coats
 many, 1 seed in each.

499. *Common Mallow.* — *M. sylvestris.*

Stem herbaceous, upright, leaves with 7 pointed lobes, fruit and leafstalks hairy. — *Curtis.* II. 51.

Rubbish, June, P. Common.

500. *Dwarf Mallow.* — *M. rotundifolia.*

Stem prostrate, leaves round, heart-shaped, imperfectly 5-lobed, fruitstalks when in seed hanging down. — *Curtis.* III. 43.

Rubbish, June, P. Common.

501. *Jagged Vervain Mallow.* — *M. moschata.*

Stem

Threads in I Set. Many Males. Monad. Polyand.

Stem erect, root leaves kidney-shaped, jagged, stem leaves with 5 divisions, segments between winged and cloven, into many divisions. — Curtis. IV. 50.

Woods, June, B. Rare.

Milton,—Clapham,—Bletsoe.

C L A S S. XVII.

Character of the XVIIth. Class.

Threads in II Sets. Flowers butterfly-shaped.

Threads in II Sets. VI Males. Diad. Hexand.

Fumitory. FUMARIA. Gen. Pl. 1154.

Cup of 2 leaves. Blossom gaping. Threads 2, skinny, each with 3 anthers.

502. *Common Fumitory. — F. officinalis.*

Capsules in bunches, with 1 seed in each, stem spreading. — Curtis. II. 52. Woodville. 88. Martyn. 68.

Fields, May, A. Common.

Threads in II Sets. VIII Males. Diad. Octand.

Milkwort. POLYGALA. Gen. Pl. 1155.

Cup of 5 leaves, leaflets wing-shaped, colored, pod inversely-heart-shaped, with 2 cells.

Common

Threads in II Sets. VIII Males. Diad. Octand.

503. *Common Milkwort*. — *P. vulgaris*.

Flowers awned, in bunches, stems herbaceous, simple, trailing, leaves strap-spear-shaped. — Sowerby. 76.

Barren Spots, June, B. Common.

Threads in II Sets. X Males. Diad. Decand.

Broom. SPARTIUM. Gen. Pl. 1166.

Stigma longitudinal, woolly above. Threads adhering to the base. Cup lengthened downwards.

504. *Common Broom*. — *S. scoparium*.

Leaves in threes and solitary, branches without prickles, angular. — Curtis. V. 52. Woodville. 89.

Sandy Fields, May, S. Common.

Green-wood. GENISTA. Gen. Pl. 1167.

Cup with 2 lips, upper consisting of 2, the under of 3 leaflets. Standard oblong, bent downwards from the male and female organs.

505. *Yellow Green-wood*. — *G. tinctoria*.

Leaves spear-shaped, smooth, branches scored, round, upright. — Sowerby. 94.

Pastures, June, S. Rare.

Threads in II Sets. X Males. Diad. Decand.

Stevington,—Clapham between Woods.

Obs :

*Stems at first trailing, then ascending, leaves ovate, sitting.
Flowers in a loose spike, yellow. Keel and wings upright.*

506. *Needle Furze.* — *G. anglica.*

Thorns simple, flowering branches without prickles, leaves spear-shaped. — Sowerby.

132.

Heaths, May, S. Rare.

Amptbill Heath.

Obs :

Root woody, lying spread on the ground. Flowering branch erect, without prickles. Pods smooth, turgid.

Furze. ULEX. Gen. Pl. 1169.

Cup of 2 leaves. Pods scarcely longer than the cup.

507. *Common Furze.* — *U. europæus.*

Leaves woolly, pointed, thorns scattered. —
Flora Danica. 608.

Heaths, April, S. Common.

Rest-barrow. ONONIS. Gen. Pl.

Cup of 5 leaves. Segments strap-shaped.
Standard scored. Pod swollen, sitting.
Threads growing together, not separated.

Field

Threads in II Sets. X Males. Diad. Decand.

508. *Field Rest-barrow*. — *O. arvensis*.

Flowers in bunches, leaves in threes, upper ones solitary, branches without prickles, somewhat woolly. — Blackwell. 301.

Cornfields, June, P. Common.

509. *Thorny Rest-barrow*. — *O. spinosa*.

Flowers in bunches, solitary, leaves in threes or single, branches thorny. — Martyn. 129.

Pastures, June, P. Common.

Ladies' Finger. ANTHYLLIS. Gen. Pl. 1174.

Cup bellying. Pod nearly round, covered.

510. *Common Ladies' Finger*. — *A. Vulneraria*.

Herbaceous, leaves winged, unequal, flowers in a double head. — Sowerby. 104.

Dry Pastures, June, P. Rare.

Oakley,—Cox's Pits,—Barton.

Peaseling. OROBUS. Gen. Pl. 1185.

Style strap-shaped. Cup blunt at the base, upper segments deeper and shorter.

511. *Wood Pease*. — *O. tuberosus*.

Leaves winged, spear-shaped, leaf-scales half-arrow-shaped, very entire, stem simple. — Curtis. I. 53.

Woods, April, P. Rare.

Threads in II Sets. X Males. Diad. Decand.

Aspley,—Birchmore.

Obs :

*Fruitstalks with 4 flowers, nodding before they are in bloom.
Pods black when ripe.*

Vetchling. LATHYRUS. Gen. Pl. 1186.

Style flat, woolly above, broader upwards,
2 upper segments of the cup shortest.

512. *Crimson Grass Vetch.* — L. Nissolia.

Fruitstalks with 1 flower, leaves simple, leaf-
scales awl-shaped. — Sowerby. 112. Cur-
tis. VI. 51.

Hedges, June, A. Rare.

Putnoe,—Bromham,—Amptibill.

513. *Narrow-leaved Wood Pea.* — L. sylvestris.

Fruitstalks with many flowers, tendrils with
2 leaves, leaflets sword-shaped, membranes
between the joints. — Curtis. VI. 52.

Woods, June, P. Common.

514. *Broad-leaved Wood Pea.* — L. latifolius.

Fruitstalks with many flowers, tendrils with
2 leaves, leaves spear-shaped, membranes
between the joints. — Flora Danica. 785.

Woods, July, P. Rare.

Hawnes,—Bromham.

Meadow

Threads in II Sets. X Males. Diad. Decand.

515. *Meadow Vetchling*. — *L. pratensis*.

Fruitstalks with many flowers, tendrils with 2 leaves undivided, leaflets spear-shaped. — Curtis. III. 44. Martyn. 52.

Meadows, June, P. Common.

Vetch. VICIA. Gen. Pl. 1187.

Stigma with a transverse beard on the lower side.

516. *Wood Vetch*. — *V. sylvatica*.

Fruitstalks with many flowers, leaflets oval, leafscales finely toothed. — Sowerby. 79. admirable.

Woods, June, P. Rare.

Sheerhatch Wood,—*Eversholt*.

Obs :

The fringes of the leafscales set this plant apart from all the others.

517. *Tufted Vetch*. — *V. Cracca*.

Fruitstalks with many flowers, flowers tiled, leaflets spear-shaped, downy, leafscales entire. — Curtis. V. 54.

Woods, Hedges, June, P. Common.

518. *Common Vetch*. — *V. sativa*.

Pods sitting, generally 2 together, upright, leaves indented, leafscales with a burnt spot. — Martyn. 116. Sowerby. 334.

Fields,

Threads in II Sets. X Males. Diad. Decand.

Fields, June, A. Common.

519. *Narrow-leaved Vetch*. — *V. angustifolia*.

Pods nearly sitting, generally 2 together, expanding, lower leaflets inversely-heart-shaped, nicked and pointed, upper ones strap-shaped. — Johnson's Gerard. 1227. 4.

Heaths, Woods, June, A. Common.

520. *Bush Vetch*. — *V. sepium*.

Pods on partial fruitstalks, mostly in fours, upright, leaflets ovate, very entire, outer ones decreasing in size to the end. — Flora Danica. 699.

Woods, May, P. Common.

521. *Strangle Tare*. — *V. lathyroides*.

Pods nearly sitting, solitary, upright, smooth, leaflets 6, lower ones inversely heart-shaped. — Sowerby. 30. admirable.

Grassy spots in sand, May, A. Rare.

Ampthill, — Maulden, — Clophill.

Obs :

Root ornamented with garnet-colored tubercles. Leaf scales without the burnt spot, leaflets 2 or 3 pair without an odd one or tendrils, ending in a point.

Tine Tare. ERVUM. Gen. Pl. 1188.

Cup of 5 segments, the length of the blossom.

Smooth-podded

Threads in II Sets. X Males. Diad. Decand.

522. *Smooth-podded Tare*. — *E. tetraspermum*.

Fruitstalks with mostly 2 flowers, seeds four, round. — Curtis. I. 55.

Hedges, June, A. Common.

523. *Hairy Tine Tare*. — *E. hirsutum*.

Fruitstalks with many flowers, seeds 2, round. — Curtis. I. 54.

Hedges, June, A. Common.

Bird's-foot. ORNITHOPUS. Gen. Pl. 1199.

Pod jointed, round, arched.

524. *Least Bird's-foot*. *O. perpusillus*.

Leaves winged, pods bowed inward. — Curtis. VI. 53. Sowerby. 369. admirable.

Heaths, June, A. Rare.

Southill,—Amptbill,—Aspley.

Obs :

Root rough with tubercles, fibrous. Capsule jointed. Stems much branched, trailing. Leaflets 8 or 10 pair, with an odd one. Flowers in heads, small, standards scored.

Horse-shoe Vetch. HIPPOCREPIS. Gen. Pl. 1200.

Pod flat, crooked, one of the seams with many nicks.

525. *Tufted Horse-shoe Vetch*. — *H. comosa*.

Pods on fruitstalks, crowded, arched, rough, waved on either edge. — Sowerby. 31.

Hilly

Threads in II Sets. X Males. Diad. Decand.

Hilly Pastures, May, P. Rare.

Barton Hill.

Obs :

Pod flattened, zigzag. Standard marked with very delicate veins. Leaflets 5 or 6 pair, with an odd one, all alike, and inversely heart-shaped.

Saintfoin. HEDYSARUM. Gen. Pl. 1204.

Keel of the blossom transversely blunt. Pod with 1 seed in each joint.

526. *Common Saintfoin.* — H. Onobrychis.

Leaves winged, shells with 1 seed, prickly, wings of the blossom as long as the cup, stem lengthened out. — Sowerby. 96. Martyn. 47.

Pastures, June, P. Rare.

Barton Hills,—Ford End Pastures.

Cock's-head. ASTRAGALUS. Gen. Pl. 1208.

Pod with 2 cells hunched.

527. *Liquorice Vetch.* — A. glycyphyllos.

Stems leafy, prostrate, pods nearly 3-square, arched, leaves oval, longer than the fruit-stalk. — Sowerby. 203.

Hedges, July, P. Rare.

Bromham,—Oakley.

Obs :

Fruitstalks round, seeds kidney-shaped.

Trefoil.

Threads in II Sets. X Males. Diad. Decand.

Trefoil. TRIFOLIUM. Gen. Pl. 1211.

Flowers mostly in heads. Pod scarcely longer than the cup, not opening, falling off.

528. *Melilot.* — T. Melilotus officinalis.

Pods in bunches, naked, 2 seeds in each, wrinkled, pointed, stem upright. — Martyn. 72.

Pastures, Woods, June, A. Common.

529. *Dutch Clover.* — T. repens.

Heads like umbels, pods with 4 seeds, stem creeping. — Curtis. III. 46. admirable. Martyn. 34.

Meadows, Pastures, May, P. Common.

530. *Subterraneous Trefoil.* — T. subterraneum.

Heads woolly, with 5 flowers, central tuft bent back, stiff, enclosing the seed. — Curtis. II. 54. admirable.

Heaths, June, A. Rare.

Amptbill,—Clopbill.

Obs :

It is an error to suppose that the capsules of this Trefoil take root in their deflected position. The root divides into very small and delicate fibres. Stems prostrate, woolly. Flowers white, tubular, and for the size of the plant beautiful.

Y

Honey-suckle

Threads in II Sets. X Males. Diad. Decand.

531. *Honey-suckle Trefoil*. — *T. pratense*.

Spikes round, somewhat woolly, surrounded by leafscales, which are opposite, with membranaceous borders, blossoms consisting of 1 petal. — Martyn. 3.

Pastures, June, P. Common.

532. *Zigzag Trefoil*. — *T. medium*.

Spikes loose, blossoms nearly equal, leafscales awl-shaped, approaching, stems zigzag, branched. — Sowerby. 190. Martyn. 13. admirable.

Pastures, June, P. Rare.

Bromham, — Milton Hill.

533. *Brimstone Trefoil*. — *T. ochroleucum*.

Spikes woolly, stem upright, downy, lower leaflets inversely heart-shaped. — Curtis. VI. 49. Martyn. 35. admirable.

Pastures, June, P. Rare.

Potton, — Everton, — Clapham.

534. *Hare's-foot Trefoil*. — *T. arvense*.

Spikes woolly, oval, teeth of the cup bristle-shaped, woolly, equal. — Curtis. VI. 50.

Pastures, July, A. Common.

535. *Rough Trefoil*. — *T. scabrum*.

Heads

Threads in II Sets. X Males. Diad. Decand.

Heads sitting, lateral, ovate, segments of the cup unequal, rigid, bowed back. — Curtis. VI. 48.

Dry Pastures, June, A. Rare.

Potton,—Sandy,—Amptbill.

536. *Knotted Trefoil.* — *T. striatum.*

Heads sitting, nearly lateral, ovate, cups scored, rounded. — Ray's Synopsis. XIII. 3.

Dry spots, June, A. Rare.

Biddenham,—Aspley,

537. *Strawberry Trefoil.* — *T. fragiferum.*

Spikes nearly round, cups inflated with 2 teeth bent back, stems creeping. — Curtis. II. 55.

Wet Pastures, August, P. Common.

538. *Procumbent Trefoil.* — *T. procumbens.*

Spikes somewhat ovate, tiled, standards permanent, bowed down, stems spreading. — Curtis. III. 45.

Cornfields, June, A. Common.

539. *Intermediate Trefoil.* — *T. dubium.*

Spikes nearly round, loosely tiled, standards permanent, bowed down, stems trailing. — Curtis. V. 53.

Pastures, June, A. Common.

Threads in II Sets. X Males. Diad. Decand.

540. *Small Trefoil*. — *T. filiforme*.

Spikes somewhat tiled, standards permanent, bowed down: cups on partial fruitstalks, stems trailing. — Ray's Synopsis. XIV. 4.

Pastures, May, A. Rare.

Biddenham, — Bury Field.

Obs :

Every flower stands on a distinct thread-shaped fruitstalk.

Claver. LOTUS. Gen. Pl. 1212.

Pod cylindrical, quite straight. Wings approaching upwards longitudinally. Cup tubular.

541. *Bird's-foot Claver*. — *L. corniculatus*.

Heads depressed, stems trailing, pods cylindrical, expanding. — Curtis. II. 56. Martyn. 53.

Dry Pastures, June, P. Common.

Medick. MEDICAGO. Gen. Pl. 1214.

Pod flat, wreathed. Keel of the blossom bent down from the standard.

542. *Lucern Medick*. — *M. sativa*.

Flowers in bunches, pods narrow, regular, twisted, stem upright, smooth. — Johnson's Gerard. 1189. 2.

Pastures, July, P. Common.

Hop

Threads in II Sets. X Males. Diad. Decand.

543. *Hop Medick.* — *M. lupulina.*

Spikes oval, pods kidney-shaped, with 1 seed in each, stem trailing. — Curtis. II. 57.

Dry Pastures, June, A. Common.

C L A S S. XVIII.

Character of the XVIIIth. Class.

Threads in many Sets. Polyadelphia.

Many Sets. Many Males. Polyad. Polyand.

St. John's Wort. HYPERICUM. Gen. Pl. 1224.

Cup of 5 segments. Petals 5. Threads many, united at the base into 5 sets. A capsule.

544. *Common St. John's Wort.* — *H. perforatum.*

Three females in each flower, stem 2-edged, leaves blunt with transparent dots. — Curtis.

I. 57. Sowerby. 295.

Hedges, August, P. Common.

545. *St. Peter's Wort.* — *H. quadrangulum.*

Three females in each flower, stem square, herbaceous. — Curtis. IV. 52. Sowerby. 370.

Bogs and Ditches, July, P. Common.

546. *Trailing St. John's Wort.* — *H. humifusum.*

Three

Many Sets. Many Males. Polyad. Polyand.

Three females in each flower, flowers solitary, from the bosom of the leaves, stems 2-edged, prostrate, thread-shaped, leaves smooth. — Curtis. III. 50.

Heaths, June, P. Rare.

Amptbill,—Potton,—Aspley.

Obs :

Root fibrous, stems many, branches often forked, leaves red toward the root. Segments of the cup and petals alternate.

547. *Woolly St. Peter's Wort.* — *H. clodes.*

Three females in each flower, stem cylindrical, creeping, leaves roundish, woolly. — Sowerby. 109. admirable.

Bogs, July, P. Rare.

Potton Marshes.

Obs :

Spaces between the upper joints of the stem hairy, smooth below.

548. *Hairy St. John's Wort.* — *H. hirsutum.*

Three females in each flower, cups notched, with glandules, stem round, upright, leaves ovate, rather downy. — Curtis. III. 49.

Woods, Hedges, July, P. Common.

549. *Upright St. John's Wort.* — *H. pulchrum.*

Three

Many Sets. Many Males. Polyad. Polyand.

Three females in each flower, cups notched, with glandules, leaves heart-shaped, smooth, stem round. — Curtis. I. 56.

Heaths, July, P. Rare.

Amptbill,—Aspley,—Potton.

Obs :

Stem at first weak and leaning, afterwards upright, leaves undotted, shining : between them rise fruitstalks, each bearing 3 flowers.

550. *Imperforate St. John's Wort.* — *H. dubium.*

Three females in each flower, stem obsoletely 4-edged, leaves obtuse, destitute of pellucid dots, cup leaves elliptical. — (*English Botany.*) Sowerby. 296.

Woods, August, P. Rare.

Luton.

Found by the late T. VAUX, Esq.

Obs :

Leaves opposite, hoary underneath.

C L A S S. XIX.

Anthers united. Syngenesia.

Character of the XIXth. Class.

Flowers compound. Anthers united so as to form a cylinder, each individual seed placed on a common bed or receptacle under it's correspondent floret.

In

Equal Polygamy. Polyg. Æq.

In this first subdivision all the florets both in the ray and disc are furnished alike with male and female organs.

Goat's-beard. TRAGOPOGON. Gen. Pl. 1229.

Receptacle naked, cup simple, feather downy.

551. *Yellow Goat's-beard.* — T. pratense.

Cups as long as the rays of the blossom, leaves entire, straight. — Petiver. XV. 6.

Pastures, June, B. Common.

Ox-tongue. PICRIS. Gen. Pl. 1231.

Receptacle naked, cup surrounded by another, feather downy, seeds transversely furrowed.

552. *Common Ox-tongue.* — P. echinoides.

Outer cup of 5 leaves, greater than the inner, inner cup awned. — Curtis. III. 51.

Woods and Road-sides, July, A. Common.

553. *Hawkweed Ox-tongue.* — P. hieracioides.

Cups loose, leaves entire, fruitstalks covered, with scales up to the cup. — Sowerby. 196.

Borders of Fields, July, B. Common.

Obs :

Stem 2 or 3 feet high, fruitstalks loosely scaled up to the cups. Root-leaves marked with very long teeth. Globe of the feather a perfect ball.

Sowthistle.

Equal Polygamy. Polyg. Æq.

Sowthistle. SONCHUS. Gen. Pl. 1233.

Receptacle naked, cup tiled, bellying, feather hairy.

554. *Common Sowthistle.* — *S. oleraceus.*

Fruitstalks woolly, cups smooth. — Curtis.
II. 58.

Fields, July, A. Common.

555. *Field Sowthistle.* — *S. arvensis.*

Fruitstalks and cups rough with hair, leaves notched, heart-shaped at the base. — Curtis. IV. 53.

Cornfields, July, P. Common.

Obs :

Stem 3 to 4 feet high and more : milky, rising from a milky root, leaves in alternate order, notched : in the upper part of the stem entire, and clothed with harmless prickles. Flowers splendid, golden yellow. Cups with hairs surmounted by glandules, after flowering turgid at the base.

Dandelion. LEONTODON. Gen. Pl. 1237.

Receptacle naked, cup tiled with loosish scales, feather downy, sitting.

556. *Common Dandelion.* — *L. Taraxacum.*

Lower scales of the cup bent back, leaves notched, with fine teeth, smooth. — Curtis.
I. 58.

Meadows, Pastures, April, P. Common.

Equal Polygamy. Polyg. Æq.

557. *Autumnal Dandelion*. — *L. autumnale*.

Stem branched, fruitstalks scaly, leaves spear-shaped, toothed, very entire, smooth. — Johnson's Gerard. 297. 3.

Pastures, August, P. Common.

Obs :

Root bitten off.

558. *Rough Dandelion*. — *L. hispidum*.

The whole cup upright, leaves toothed, very entire, rough with hair, hairs forked. — Curtis. V. 56.

Pastures, July, P. Common.

Obs :

The flowers nod before they open.

559. *Deficient Dandelion*. — *L. hirtum*.

The whole cup upright, leaves toothed, hairy, hairs undivided. — Curtis. VI.

Heaths, Commons, June, P. Common.

Hawkweed. *HIERACIUM*. Gen. Pl. 1238.

Receptacle naked. Cup tiled, ovate. Feather simple, sitting.

560. *Mouse-ear Hawkweed*. — *H. Pilosella*.

Leaves very entire, ovate, cottony underneath, suckers creeping, stem with 1 flower. — Curtis. IV. 54.

Heaths,

Equal Polygamy. Polyg. Æq.

Heaths, Pastures, June, P. Common.

561. *Wall Hawkweed.* — *H. murorum.*

Stem branched, root leaves ovate, toothed, stem leaf smaller. — Johnson's Gerard.

304.

Walls and Woods, July, P. Rare.

Aspley, — Everton, — Silsoe.

562. *Shrubby Hawkweed.* — *H. sabaudum.*

Stem upright, bearing many flowers, leaves ovate-spear-shaped, toothed, embracing the stem. — Sowerby. 349. excellent.

Woods, July, P. Rare.

Aspley.

Obs :

Stem 3 to 4 feet high, covered very closely towards the bottom with tooth-spear-shaped leaves.

563. *Umbelliferous Hawkweed.* — *H. umbellatum.*

Leaves strap-shaped, somewhat toothed, scattered, flowers in a kind of umbel. — Curtis.

VI. 58.

Heaths and Woods, July, P. Rare.

Aspley.

Hawk's-beard. CREPIS. Gen. Pl. 1239.

Receptacle naked. Cup with a smaller one at the base, scales falling off. Feather downy, on a pillar.

Equal Polygamy. Polyg. Æq.

564. *Smooth Hawk's-beard.* — *C. tectorum.*

Leaves spearshaped, notched, sitting, smooth, lower ones toothed. — Curtis. V. 55.

Walls and Banks, June, A. Common.

Swine's Succory. HYOSERIS. Gen. Pl.

Receptacle naked. Cup nearly equal. Feather hairy, and with a small cup.

565. *Least Swine's Succory.* — *H. minima.*

Stem branched, naked, fruitstalks thickening upwards. — Sowerby. 95.

Cornfields, May A. Rare.

Amptbill,—Maulden.

Obs :

Leaves in a rose, crowded ; stems trumpet-shaped, red towards the root.

Cat's-ear. HYPOCHÆRIS. Gen. Pl. 1246.

Receptacle chaffy. Cup somewhat tiled. Feather downy.

566. *Long-rooted Cat's-ear.* — *H. radicata.*

Leaves notched, blunt, rough, stem branched, naked, smooth, fruitstalks scaly. — Curtis. III. 52.

Pastures, July, P. Common.

Obs :

Segments of the cup keeled ; keel fringed with stiffish hairs.

Smooth

Equal Polygamy. Polyg. Æq.

567. *Smooth Cat's-ear*. — *H. glabra*.

Cups oblong, tiled, stem branched, naked,
leaves tooth-waved. — Curtis. III. 53.

Heaths, June, A. Rare.

Amptbill,—*Sandy*,—*Polton*.

Obs :

Cup smooth, purple at the point, flowers not bigger than a silver penny.

Nipplewort. LAPSANA. Gen. Pl. 1247.

Receptacle naked. Cup with a smaller one,
each of the inner scales channelled.

568. *Common Nipplewort*. — *L. communis*.

Cups of the fruit angular, fruitstalks thin,
much branched. — Curtis. I. 59.

Cornfields, July, A. Common.

Succory. CICHORIUM. Gen. Pl. 1251.

Receptacle somewhat chaffy. Cup double.
Feather mostly with 5 teeth, imperfectly
hairy.

569. *Wild Succory*. — *C. Intybus*.

Flowers in pairs, sitting, leaves notched. —
Curtis. IV. 56. Woodville. 248. Martyn.
144.

Fields, July, B. Common.

Burr.

Equal Polygamy. Polyg. Æq.

Burr. ARCTIUM. Gen. Pl. 1253.

Cup globular, with hooked scales bent in at the point.

570. *Clot Burr.* — A. Lappa.

Leaves heart-shaped, thornless, on leafstalks.-

Curtis. IV. 55. Woodville. 15.

Road-sides, July, B. Common.

Sawwort. SERRATULA. Gen. Pl. 1264.

Cup somewhat cylindrical, tiled, thornless.

571. *Common Sawwort.* — S. tinctoria.

Leaves harp-shaped, winged, terminal wing the largest; florets all alike. — Sowerby.

38.

Woods and Fields, July, P. Common.

Obs :

Stem 3 to 4 feet high, with prominent angles: bottom leaves often very entire, finely serrated. Cup closely tiled, smooth, with scales of an elegant brown color.

572. *Way Thistle.* — S. arvensis.

Leaves toothed, thorny. — Curtis. VI. 57.

(*Carduus arvensis.*)

Cornfields, Way-sides, July, P. Common.

Thistle. CARDUUS. Gen. Pl. 1254.

Cup ovate, tiled, with thorny scales. Receptacle hairy.

Spear

Equal Polygamy. Polyg. Æq.

573. *Spear Thistle*. — *C. lanceolatus*.

Leaves running down the stem, winged, rough with hair, segments straddling, cups ovate, thorny, woolly : stem hairy. — Sowerby. 107.

Fields and Way-sides, July, B. Common.

574. *Nodding Thistle*. — *C. nutans*.

Leaves half running down the stem, thorny, flowers nodding, scales of the cup open above. — *Flora Danica*. 675.

Dry Pastures, July, B. Common.

575. *Slender Thistle*. — *C. tenuiflorus*.

Leaves running down the stem, prickly at the edge, branches straight, cups in clusters, sitting, oblong-conical, scales upright, expanding, prickly. — (*Curtis.*) *Curtis*. VI. 55. Sowerby. 412.

Borders of Fields, July, A. Rare.

Alm's Houses, — *Cox's Pits*.

576. *Thistle-upon-Thistle*. — *C. polyacanthos*.

Leaves running down the stem, prickly at the edge, branches expanding, cups nearly round, loose, scales awl-shaped, expanding, rather harmless. — (*Curtis.*) *Curtis*. VI.

54.

Hedges, July, A. Common.

Marsh

Equal Polygamy. Polyg. Æq.

577. *Marsh Thistle*. — *C. palustris*.

Leaves running down the stem, toothed, prickly at the edge, flowers in bunches, upright, fruitstalks thornless. — Curtis. VI. 56.

Wet Places, July, B. Common.

578. *Milk Thistle*. — *C. marianus*.

Leaves embracing the stem, halberd-shaped, winged. Cups leafless, thorns channelled, with double rows of thorns. — Curtis. III. 54.

Rubbish, June, B. Common.

579. *Woolly Thistle*. — *C. eriophorus*.

Leaves sitting, with winged divisions, pointing 2 ways, segments alternate, upright, cups globular, woolly. — Sowerby. 386.

Dry Pastures, July, B. Common.

580. *Dwarf Thistle*. — *C. acaulis*.

Stemless, cup smooth. — Sowerby. 161.

Hilly Pastures, July, P. Common.

Obs :

Cup closely tiled : Root turning inwards, with a brown bark, whitish red within.

Cotton Thistle. ONOPORDUM. Gen. Pl. 1256.

Receptacle like a honey-comb. Cup-scales pointed.

Common

Equal Polygamy. Polyg. Æq.

581. *Common Cotton Thistle*. — *O. Acanthium*.

Cups scurfy, scales expanding, leaves oblong and waved. — Curtis. V. 57.

Borders of Fields, July, B. Common.

Carline Thistle. CARLINA. Gen. Pl. 1258.

Cup with a ray, consisting of long marginal colored scales.

582. *Common Carline Thistle*. — *C. vulgaris*.

Stem with many flowers in a flat topped spike, flowers terminal, cups with a white ray. — Johnson's Gerard. 1159. 1.

Hilly dry Pastures, July, B. Common.

Hemp Agrimony. BIDENS. Gen. Pl. 1267.

Receptacle chaffy. Feather with straight awns, rough. Cup tiled. Blossom with sometimes one or two radiated florets.

583. *Trifid Hemp Agrimony*. — *B. tripartita*.

Leaves in threes, cups somewhat leafy, seeds upright. — Curtis. IV. 57.

Banks and wet Places, August, A. Common.

584. *Nodding Hemp Agrimony*. — *B. cernua*.

Leaves spear-shaped, embracing the stem, flowers nodding, seeds upright. — Curtis. III. 55.

Equal Polygamy. Polyg. Æq.

Wet Places, August, A. Rare.

Clapham, — Clophill.

585. *Least Hemp Agrimony.* — *B. minimus.*

Leaves spear-shaped, sitting, flowers as well as the seeds upright. — Ray's Synopsis. VII. 2.

Wet Places, August, A. Rare.

Kempston Pits.

Dutch Agrimony. EUPATORIUM. Gen. Pl. 1272.

Receptacle naked. Feather downy. Cup oblong. Stile cloven halfway down, long.

586. *Common Dutch Agrimony.* — *E. cannabinum.*

Leaves fringed. — Sowerby. 428.

Woods, July, P. Common.

* *

Superfluous Polygamy. Polyg. Super.

The hermaphrodite florets of the center are furnished with a female organ, and produce seeds. The female florets also in the circumference produce seeds.

Tansy. TANACETUM. Gen. Pl. 1280.

Receptacle naked. Feather with sometimes a border. Cup tiled, hemispherical. Blossoms of the ray obscurely divided into three.

Common

Superfluous Polygamy. Polyg. Super.

587. *Common Tansy*. — *T vulgare*.

Leaves doubly winged, jagged, serrated. —
Woodville. 115.

Pastures and Road-sides, July, P. Rare.

Bromham Grange.

Southernwood. ARTEMISIA. Gen. Pl 1281.

Receptacle somewhat woolly or nearly bare.
Feather none. Cup tiled with roundish
scales, approaching. No blossoms in the
ray.

588. *Wormwood*. — *A. Absinthium*.

Leaves compound, in many divisions, flowers
nearly round, hanging down, receptacle
woolly. — Woodville. 120.

Road-sides, August, P. Common.

589. *Common Mugwort*. — *A. vulgaris*.

Leaves winged, flat, jagged, downy under-
neath, bunches simple, bent back, florets in
the ray five. — Woodville. 121.

Road-sides, August, P. Common.

Cudweed GNAPHALIUM. Gen. Pl. 1282.

Receptacle naked. Feather downy. Cup ti-
led with rounded scales at the edge, skinny,
colored.

590. *Upright Cudweed*. — *G. rectum*.

Superfluous Polygamy. Polyg. Super.

Stem upright, terminating in a leafy compound spike, leaves strap-spear-shaped, almost naked on the upper side. — (*English Botany.*) Sowerby. 124. excellent.

Heaths and Woods, August, B. Rare.

Clophill,—Aspley,—Southill.

Obs :

Root fibrous, leaves hoary underneath, for the most part sitting in the bosoms of the leaves.

591. *Marsh Cudweed.* — *G. uliginosum.*

Stem herbaceous, branched, spreading, flowers crowded, terminal.—*Flora Danica.* 859.

Inundated spots, August, A. Common.

Spikenard. CONYZA. Gen. Pl. 1286.

Receptacle naked. Feather simple. Cup tiled, nearly round. Blossoms of the ray trifid.

592. *Plowman's Spikenard.* — *C. squarrosa.*

Leaves spear-shaped, pointed, stem herbaceous, bearing loose topped spikes, cups scurfy. — *Blackwell.* 102.

Road-sides, August, B. Common.

Fleabane. ERIGERON. Gen. Pl. 1287.

Receptacle naked. Feather hairy. Blossoms of the ray strap-shaped, very narrow.

Purple

Superfluous Polygamy. Polyg. Super.

593. *Purple Fleabane*. — E. acre.

Fruitstalks alternate, bearing one flower. —

Curtis. I. 60. Hoffman. Ger. Flo. 11.

Pastures, August, B. Rare.

Thurleigh, — Amptbill, — Biddenham.

Obs :

Our specimens are 6 inches high, leaves alternate, points of the cup purple. Outer row of florets a diluted purple.

Colt's-foot. TUSSILAGO. Gen. Pl. 1289.

Receptacle naked. Cup-scales equal, long as the center, somewhat membranaceous.

Feather simple.

594. *Common Colt's-foot*. — T. Farfara.

Stem tiled, bearing one flower, leaves rather heart-shaped, angular, finely toothed. — Curtis. II. 60.

Clay soil, March, P. Common.

595. *Butter Burr*. — T. Petasites.

Panicle egg-shaped, female florets few, naked. — Curtis. II. 59. Sowerby. 431.

Banks of Mill-streams, April, P. Common.

Groundsell. SENEIO. Gen. Pl. 1290.

Receptacle naked. Feather simple. Cup cylindrical, with a smaller cup at the base. Scales as it were dead at the point.

Common

Superfluous Polygamy. Polyg. Super.

596. *Common Groundsell.* — *S. vulgaris.*

Flowers without rays, leaves winged and wavy, embracing the stem, flowers scattered. — Curtis. I. 61.

Gardens, Fields, May, A. Common.

597. *Bushy Groundsell.* — *S. sylvaticus.*

Blossoms in the ray bent back, leaves winged, finely toothed, stem branching to a flat topped spike, upright. — Johnson's Gerard. 278. 2.

Heaths, June, A. Common.

598. *Hoary Groundsell.* — *S. erucæfolius.*

Blossoms radiate, leaves winged, toothed, somewhat hairy, stem upright. — Curtis. V. 64.

Hedges, August, P. Common.

599. *Common Ragwort.* — *S. Jacobæa.*

Blossoms radiate, leaves winged, lyre-shaped, segments subdivided, stem upright. — Martyn. 85. excellent.

Barren Spots, July, P. Common.

600. *Water Ragwort.* — *S. aquaticus.*

Blossoms radiate, leaves toothed, root leaves ovate, stem leaves winged, terminal segment the largest. — Flora Danica. 784.

Wet

Superfluous Polygamy. Polyg. Super.

Wet Meadows, July, P. Common.

Golden-rod. SOLIDAGO. Gen. Pl. 1292.

Receptacle naked. Feather simple. Blossoms of the ray about 5. Scales of the cup tiled, closed.

601. *Common Golden-rod.* — S. Virgaurea.

Stem somewhat zigzag, bunches paniced, upright, crowded. — Sowerby. 301. excellent.

Woods, Heaths, August, P. Rare.

Aspley,—Birchmore,—Potton Wood.

Found by J. PARKER, M. D.

Obs :

Stem 2 feet or more in height, leaves slightly notched, elliptical, turned back, flowers of the whole ray 6 to 9.

Elecampane. INULA. Gen. Pl. 1295.

Receptacle naked. Feather simple. Anthers ending at the base in 2 bristles.

602. *Common Elecampane.* — I. Helenium.

Leaves embracing the stem, ovate, wrinkled, cottony underneath, cup-scales ovate. — Woodville. 108.

Pastures, July, P. Rare.

near Kings Heath, Aspley. Ravensden,—Stevington.

Middle

Superfluous Polygamy. Polyg. Super.

603. *Middle Fleabane*. — *I. dysenterica*.

Leaves embracing the stem, heart-oblong, stem woolly, panicked, capsules bristle-shaped. — Curtis. III. 56.

Road-sides, August, P. Common.

604. *Least Fleabane*. — *I. Pulicaria*.

Leaves embracing the stem, stem prostrate, flowers almost globular with a very short ray. Curtis. III. 57.

Inundated Spots, August, A. Rare.

Goldington, — Ravensden.

Obs :

Root descending obliquely. Flowers button-shaped, florets of the ray small and as it were abridged.

Daisy. *BELLIS*. Gen. Pl. 1300.

Receptacle naked. Feather none. Cup hemispherical with equal scales. Seeds inversely ovate.

605. *Common Daisy*. — *B. perennis*.

Stalk naked. — Sowerby. 424. Curtis. I. 62.

Pastures, May, P. Common.

Marigold. *CHRYSANTHEMUM*. Gen. Pl. 1307.

Receptacle naked. Feather bordered. Cups hemispherical, tiled with marginal membranaceous scales.

Ox-eye

Superfluous Polygamy. Polyg. Super.

606. *Ox-eye Daisy*. — *C. leucanthemum*.

Leaves embracing the stem, oblong, serrated above, toothed below. — Curtis. V. 62.

Martyn. 109.

Pastures, July, P. Common.

607. *Chamomile Ox-eye*. — *C. inodorum*.

Leaves winged in many divisions, stem branched, spreading. — Flora Danica. 696.

Cornfields and Rubbish, July, A. Common.

608. *Corn Marigold*. — *C. segetum*.

Leaves embracing the stem, jagged above, tooth-serrated below. — Curtis. VI. 60.

Martyn. 110.

Cornfields, June, A. Common.

Feverfew. MATRICARIA. Gen. Pl. 1308.

Receptacle naked. Feather none. Cup hemispherical, tiled. Marginal scales rather pointed, solid.

609. *Common Feverfew*. — *M. parthenium*.

Leaves compound, flat, leaflets ovate, jagged, fruitstalks branched. — Woodville. 249.

Road-sides, June, P. Common.

610. *Corn Feverfew*. — *M. Chamomilla*.

B b

Receptacles

Superfluous Polygamy. Polyg. Super.

Receptacles conical, rays expanding, cup-scales even at the edge. — Curtis. V. 63. Martyn. 74.

Cornfields, June, A. Common.

Chamomile. ANTHEMIS. Gen. Pl. 1312.

Receptacle chaffy. Feather none. Cup hemispherical, nearly equal. Florets of the ray more than five.

611. *Fetid Chamomile.* — A. Cotula.

Receptacles conical, chaff bristle-shaped, seeds without a border. — Curtis. V. 61.

Cornfields, May, A. Common.

612. *Corn Chamomile.* — A. arvensis.

Receptacles conical, chaff bristle-shaped, seeds crowned with a border. — Petiver. XIX. 8.

Cornfields, July, A. Rare.

Oakley West Field.

Obs :

Chaff broader than in the foregoing species.

Milfoil. ACHILLEA. Gen. Pl. 1313.

Receptacle chaffy. Feather none. Cup ovate, tiled. Florets of the ray about four.

613. *Common Milfoil.* — A. Millefolium.

Leaves

Superfluous Polygamy. Polyg. Super.

Leaves doubly winged, naked, segments strap-shaped, toothed, stem leaves furrowed upwards. — Curtis. VI. 61. Woodville. 64. Martyn. 123. excellent.

Pastures, July, P. Common.

614. *Sneezewort*. — A. Ptarmica.

Leaves spear-shaped, pointed, finely serrated. — Curtis. V. 60.

Banks of Rivers, July, P. Common.

* * *

Frustraneous Polygamy. Polyg. Frustra.

The hermaphrodite florets of the center are furnished with a stigma, and so bear seed : but the florets, which form the circumference, have no stigma and are unable to bear seed.

Centaury. CENTAUREA. Gen. Pl. 1331.

Receptacle bristly. Feather simple. Blossoms of the ray funnel-shaped, longer and irregular.

615. *Blue Bottle*. — C. Cyanus.

Cups serrated, leaves strap-shaped, very entire, lower ones toothed — Curtis. VI. 62. Sowerby. 277.

Cornfields, July, A. Common.

616. *Least Knapweed*. — C. nigra.

B b 2

Cup

Frustraneous Polygamy. Polyg. Frustra.

Cups fringed, with a small ovate scale at the the end : fringes hair-like, upright, leaves lyre-shaped, angular, flowers without rays. - Sowerby. 278. Martyn. 130.

Pastures, July, P. Common.

617. *Great Knapweed*. — C. Scabiosa.

Cups fringed, leaves winged, wings spear-shaped. — Sowerby. 56.

Cornfields, July, P. Common.

618. *Star Thistle*. — C. Calcitrapa.

Cups almost doubly thorned, sitting, leaves winged, strap-shaped, toothed, stem hairy. - Sowerby. 125. excellent.

Road-sides, July, A. Rare.

Biddenham,—*Eaton-Socon*.

* * * *

Necessary Polygamy. Polyg. Necess.

The hermaphrodite florets, from some defect in the stigmas, are unable to produce seeds, but the female florets in the ray perfect their seeds.

Cat's-foot. FILAGO. Gen. Pl. 1345.

Receptacle naked. Feather none. Cup tiled : female florets placed between the scales of the cup.

Common

Necessary Polygamy. Polyg. Necess.

- 619.
- Common Cat's-foot*
- . —
- F. germanica*
- .

Panicle forked, flowers rounded, from the bosoms of the leaves, hairy, leaves pointed. — Petiver. XVIII. 10.

Road-sides, July, A. Common.

- 620.
- Mountain Cat's-foot*
- . —
- F. montana*
- .

Stem somewhat forked, upright, flowers conical, terminal, from the bosom of the leaves. — Petiver. XVIII. 11.

Pastures, June, A. Rare.

Southill, — Maulden.

* * * * *

Flowers simple. Monogamia.

Sheep's Scabious. JASIONE. Gen. Pl. 1362.

Common cup of 10 leaves. Blossom of 5 petals, regular. Capsule inferior, 2-celled.

- 621.
- Hairy Sheep's Scabious*
- . —
- J. montana*
- .

Curtis. IV. 58.

Elevated Pastures, June, A. Rare.

Aspley, — Potton.

Violet. VIOLA. Gen. Pl. 1364.

Cup of 5 leaves. Blossom of 5 petals, irregular, with a horn behind. Capsule superior, with 3 valves and 1 cell.

Hairy

Flowers simple. Monogamia.

622. *Hairy Violet*. — *V. hirta*.

Stemless, leaves heart-shaped, rough with hair. — Curtis. I. 64.

Woods and Hedges, March, P. Rare.

Barton Hill.

623. *Sweet Violet*. — *V. odorata*.

Stemless, leaves heart-shaped, suckers creeping. — Curtis. I. 63. Woodville. 81.

Hedges, March, P. Common.

624. *Marsh Violet*. — *V. palustris*.

Stemless, leaves kidney-shaped. — Flora Danica. 73. Sowerby. 444. (*See our fig. No. 3.*)

Bogs, March, P. Rare.

Amptbill.

625. *Dog's Violet*. — *V. canina*.

Stem climbing in it's mature state, leaves oblong-heart-shaped. — Curtis. II, 61.

Woods, April, P. Common.

626. *Heart's-ease Violet*. — *V. tricolor*.

Stem 3-square, spreading, leaves oblong, jagged, leafscales winged. — Curtis. I. 65

Cornfields, May, A. Common.

C L A S S.



C L A S S. XX.

Character of the XXth. Class.

Threads on the female organ. Gynandria.

II Males. Gynand. Diand.

Orchis. ORCHIS. Gen. Pl. 1367.

Nectary like a horn behind the blossom.

627. *Gnat Orchis.* — *O. bifolia.*

Root bulbs undivided, lip of the nectary spear-shaped, very entire, horn very long, petals expanding. — Curtis. VI. 65. Sowerby. 22.

Woods, May, P. Common.

Obs :

Two uppermost petals approaching, horn very thin, descending.

628. *Pyramidal Orchis.* — *O. pyramidalis.*

Root bulbs undivided, nectary trifid, even, very entire, horn long, petals somewhat spear-shaped. — Sowerby. 110. Ray's Synopsis. 18.

Dry Pastures, June, P. Common.

Obs :

Spike very beautiful, leaves sheathing on the stem in a very singular manner. When the whole spike is in flower it loses its pyramidal form.

Meadows

II Males. Gynand. Diand.

629. *Meadow Orchis*. — *O. Morio*.

Root bulbs undivided, lip of the nectary quadrifid, scolloped, horn blunt, rising, petals blunt, approaching. — Curtis. III. 59.

Meadows, May, P. Common.

630. *Early-spotted Orchis*. — *O. mascula*.

Root bulbs undivided, lip of the nectary quadrifid, horn blunt, petals on the back bent backwards. — Curtis. II. 62. Woodville. 90.

Moist Woods, April, P. Common.

631. *Dwarf Orchis*. — *O. ustulata*.

Root bulbs undivided, lip of the nectary quadrifid, rough with points, horn blunt, petals distinct. — Sowerby. 18.

Chalky Hills, May, P. Rare.

Barton Hill, — Luton Downs.

Obs :

The helmet of the flower has a burnt appearance.

632. *Broad-leaved Orchis*. — *O. latifolia*.

Bulbs somewhat hand-shaped, upright, horn of the nectary conical, lip with three lobes, bent back at the sides, floral leaves longer than the blossom. — Curtis. V. 65.

Wet Meadows, May, P. Common.

Obs :

Leaves oblong-spear-shaped, sheathing on the stem.

Late-spotted

II Males. Gynand. Diand.

633. *Late-spotted Orchis*. — *O. maculata*.

Bulbs hand-shaped, expanding, horn of the nectary shorter than the germs, lip flat, petals on the back expanding. — Johnson's Gerard. 222. 1.

Wet Woods, June, P. Common.

634. *Red-banded Orchis*. — *O. conopsea*.

Bulbs hand-shaped, expanding, horn of the nectary bristle-shaped, longer than the germs, lip trifid, two of the petals very much expanding. — Sowerby. 10.

Hilly Pastures, June, P. Rare.

Clapham,—Barton,—Luton Downs.

Obs :

Plant highly odoriferous.

Satyrion. SATYRIUM. Gen. Pl. 1368.

Nectary shaped like a double purse behind the flower.

635. *Frog Satyrion*. — *S. viride*.

Root bulbs hand-shaped, leaves entire, blunt, lip of the nectary strap-shaped, cloven into three, middle segment indistinct. — Sowerby. 94.

Meadows, June, P. Rare.

C c

Stevington,—

II Males. Gynand. Diand.

*Stevington,—Thurleigh,—Bletsoe.**Obs :**Floral leaves rolled in, longer than the flowers, sides of the nectary purplish red, inner part yellow. Helmet tawny.**Tway-blade. OPHRYS. Gen. Pl. 1369.*

Nectary slightly keeled underneath.

636. *Bird's-nest Ophrys.* — *O. Nidus avis.*

Bulbs fibrous, in bundles, stem sheathing, leafless, lip of the nectary cloven in two. —

Sowerby. 48.

Woods, May, P. Rare.

*Clapham Park Wood.**Hostler's Wood, Chiltern Green, near Dunstable.**Obs :**This plant may be overlooked, as it is not unlike an Orchis in decay. Small fibres of the root often turned up so as to resemble a nest.*637. *Ladies'-trace Ophrys.* — *O. spiralis.*

Bulbs clustered, oblong, stem rather leafy, flowers spiral, but blowing in one direction, lip of the nectary undivided, scalloped. —

Curtis. VI. 59.

Hilly Pastures, August, P. Rare.

*Thurleigh.**Obs :**It is generally found growing with 3 roots, with a small rose of leaves and the stem bare up to the flower spike. Flowers whitish, striped with green.**Common*

II Males. Gynand. Diand.

638. *Common Ophrys*. — *O. ovata*.

Bulb fibrous, stem with two leaves, leaves ovate, lip of the nectary cloven in two. — Curtis. III. 60.

Woods, May, P. Common.

639. *Bee Ophrys*. — *O. apifera*.

Bulbs roundish, stem leafy, lip of the nectary in 5 segments ; segments bent in underneath. — Curtis. I. 66. Sowerby. 383.

Dry Spots, June, P. Rare.

High down 42. Hawnes,—Barton,—Thurleigh.

Obs :

Stem a foot high and more. Leaves sheathing. Threads distinct of the common length, bent in, tipped with yellow anthers. Capsule with 6 angles.

640. *Fly Ophrys*. — *O. muscifera*.

Bulbs roundish, stem leafy, lip of the nectary with 4 segments. — (*Hudson.*) Sowerby. 64. excellent.

Chalky Pastures, June, P. Rare.

Near Shefford.

Found by Mr. FOWLER.

Obs :

Floral leaves strap-spear-shaped, upper petals which in some of the orchis tribe approach, are here seen to expand, and well represent the antennæ of a fly.

II Males. Gynand. Diand.

641. *Marsh Ophrys*. — *O. paludosa*.

Bulb nearly round, stem nearly naked, 5-cornered, leaves rough at the point, lip of the nectary entire. — Sowerby. 72. excellent. — *Malaxis paludosa*.

Bogs, July, P. Rare.

Potton Marshes.

Obs :

Blossom reversed.

Helleborine. SERAPIAS. Gen. Pl. 1371.

Nectary ovate, hunched, lip ovate.

642. *Broad-leaved Helleborine*. — *S. latifolia*.

Bulbs fibrous, leaves ovate, embracing the stem, flowers drooping. — Sowerby. 269.

Woods, July, P. Rare.

Thurleigh, — Sheerhatch.

643. *Marsh Helleborine*. — *S. longifolia*.

Bulbs fibrous, leaves sword-shaped, flowers drooping. — Sowerby. 270.

Bogs, July, P. Rare.

Stevington Bogs.

Obs :

Floral leaves shorter than the flowers, flowers erect before blowing, afterwards hanging down. Nectary very elegantly scalloped.

C L A S S.

C L A S S. XXI.

Character of the XXIst. Class.

Male and female organs in separate blossoms upon the same plant.

I House. I Male. Monoec. Monand.

Cuckow Pint. ARUM. Gen. Pl. 1387.

Sheath of 1 leaf, hooded. Spikestalk naked above, with female organs below, and male in the middle.

644. *Spotted Arum.* — *A. maculatum.*

Stemless, leaves halberd-shaped, very entire, spikestalk club-shaped. — Curtis. II. 63. Woodville. 25.

Under Hedges, May, P. Common.

Obs :

Point of the spikestalk red, yellowish white below, the plant varies greatly between spotless leaves and leaves with brown spots.

Stonewort. CHARA. Gen. Pl. 1397.

Male. — Cup none. Blossom none. Anthers below the germ.

Female. — Cup of 4 leaves. Blossom none. Stigma 5-cleft. Seed 1.

645. *Common Stonewort.* — *C. vulgaris.*

Stem smooth, leaves toothed on the inner side. — Sowerby. 236. excellent.

Wet

I House. I. Male. Monoec. Monand.

Wet Ditches, June, A. Common.

646. *Brittle Stone-wort*. — *C. tomentosa*.

Prickles on the stem ovate. — Johnson's Gerard. 1115.

Ditches, Bogs, June, A. Rare.

Clapham Springs,—Stevington Bogs.

Obs :

Plant more compact in it's habit than the former, when living, flesh-colored ; dead, ashy white.

I House. II Males. Monoec. Diand.

Duckweed. LEMNA. Gen. Pl. 1400.

Male. — Cup of 1 leaf. Blossom none.

Female. — Cup of 1 leaf. Blossom none.

Style 1. Capsule 1 cell.

647. *Ivy-leaved Duckweed*. — *L. trisulca*.

Leaves on leafstalks, spear-shaped.

Ditches, August, A. Common.

648. *Least Duckweed*. — *L. minor*.

Leaves sitting, flattish on both sides, root single. — Ray's Synopsis. IV. 1.

Ditches, June, A. Common.

Obs :

The single root and flat leaves at once demonstrate this species.

Hunched

I House. II Males. Monoec. Diand.

649. *Hunched Duckweed*. — *L. gibba*.

Leaves sitting, hemispherical underneath,
roots single.

Ditches, July, P. Rare.

Goldington.

650. *Great Duckweed*. — *L. polyrrhiza*.

Leaves sitting, roots crowded. — Ray's Syn-
opsis. IV. 2.

Obs :

Leaves red underneath.

I House. III Males. Monoec. Triand.

Reed Mace. *Typha*. Gen. Pl. 1401.

Male. — Catkin cylindrical. Cup indistinct-
ly 3-leaved. Blossom none.

Female. — Catkin cylindrical, below the male
flowers. Cup with a hair-like wool.
Blossom none. Seed 1, sitting on a hair-
like down.

651. *Broad-leaved Reed Mace*. — *T. latifolia*.

Leaves somewhat sword-shaped, male and
female spikes close together. — Curtis. III.
61.

Stagnant Water, June, P. Common.

652. *Small Reed Mace*. — *T. angustifolia*.

Leaves

I House. III Males. Monoec. Triand.

Leaves half-cylindrical, male and female spikes distinct from each other. — Curtis. III. 62.

Pools, July, P. Rare.

Knotting-Green.

Bur-reed. SPARGANIUM. Gen. Pl. 1402.

Male. — Catkin nearly round. Cup of 3 leaves. Blossom none.

Female. — Catkin nearly round. Cup of 3 leaves. Blossom none. Stigma divided. Fruit juiceless, with 1 seed.

653. *Branched Bur-reed.* — S. erectum.

Leaves upright, 3-square. — Curtis. V. 68.

Wet Ditches, July, P. Common.

654. *Simple Bur-reed.* — S. simplex.

Leaves 3-square at the base, the sides flat, fruitstalks simple. — Curtis. V. 67.

Ditches, July, P. Rare.

Elstow.

Obs :

Upper flowers sitting, lower ones on fruitstalks.

Sedge. CAREX. Gen. Pl. 1407.

Male. — Catkin tiled. Cup of 1 leaf. Blossom none.

Female. —

I House. III Males. Monoec. Triand.

Female. — Catkin tiled. Cup of 1 leaf.

Blossom none. Nectary inflated, with 3 teeth. Stigmas three. Seeds 3-square, beneath the nectary.

655. *Small Sedge*. — *C. dioica*.

Spike simple, male and female catkins on distinct plants. — *Flora Danica*. 369.

Turfy Bogs, June, P. Rare.

Amptbill.

656. *Naked Sedge*. — *C. leporina*.

Spike compound, spikelets ovate, sitting, approaching, alternate, naked, composed of barren and fertile flowers. — *Sowerby*. 306.

Bogs, June, P. Rare.

Potton Marshes.

657. *Great Sedge*. — *C. vulpina*.

Spike more than doubly compound, less compact in the lower part, spikelets ovate, clustered, composed of fertile and barren flowers, the barren flowers above. — *Sowerby*. 307.

Wet Places, June, P. Common.

Obs :

Spikelets (when ripe) brown and permanent.

658. *Spiked Sedge*. — *C. spicata*.

D d

Spikelets

I House. III Males. Monoec. Triand.

Spikelets nearly round, containing both fertile and barren florets, contiguous; capsules ovate, pointed.

Ditch Banks, June, P. Common.

Obs :

Very like the preceding, but smaller.

659. *Soft Sedge*. — *C. disticha*.

Spike compound, nearly 2-rowed, spikelets egg-shaped, somewhat tiled, with barren and fertile flowers; floral leaves longer than the spikelets, straw 3-square. — (*Hudson.*) Leers. XIV. 2.

Ditches and Bogs, May, P. Rare.

Eversholt.

660. *Prickly Sedge*. — *C. muricata*.

Spikelets nearly ovate, sitting, remote, both fertile and barren, capsules pointed, diverging, thorny. — Leers. XIV. 8. *Flora Danica*. 284.

Marshes, June, P. Common.

661. *Loose Sedge*. — *C. distans*.

Spikes very remote, nearly sitting, floral leaf sheathing, capsules angular, sharp-pointed.

Ditches, June, P. Rare.

Stevington.

Remote

I House. III Males. Monoec. Triand.

662. *Remote Sedge*. — *C. remota*.

Spikes ovate, nearly sitting, remote, both fertile and barren, floral leaves as long as the straw. — Leers. XVI. Flora Danica. 307.

Ditch Banks, June, P. Common.

663. *Turfy Sedge*. — *C. cæspitosa*.

Spikes upright, cylindrical, three, nearly sitting, barren one terminating, straw 3-square. — Curtis. IV. 62.

Meadows, May, P. Common.

664. *Flea Sedge*. — *C. pulicaris*.

Spike simple, with fertile and barren flowers, male flowers on the upper part, capsules diverging, bent back. — Leers. XIV. 1. Flora Danica. 166.

Meadows, Bogs, June, P. Rare.

Eversholt.

665. *Grey Sedge*. — *C. divulsa*.

Spikelets roundish, barren and fertile, lower ones distant, capsules pointed, upright.

Bogs, May, P. Rare.

Clapham,—Everton,—Potton.

666. *Panicled Sedge*. — *C. paniculata*.

Spikes barren and fertile, bunch compound. — Leers. XIV. 4.

I House. III Males. Monoec. Triand.

Moors, June, P. Common.

667. *Mountain Sedge*. — *C. montana*.

Fertile spikes sitting, mostly single, egg-shaped, near to the barren spike, straw naked, capsules downy. — Leers. XVI. 6.

Mountainous Meadows, June, P. Rare.

Clapham-Park Pastures.

668. *Yellow Sedge*. — *C. flava*.

Spikes crowded, nearly sitting, roundish, male spike strap-shaped, capsules pointed, bowed back. — Leers. XV. 6. *Flora Danica*. 371.

Bogs, June, P. Rare.

Amptbill, — Stevington.

669. *Pill-bearing Sedge*. — *C. pilulifera*.

Spikes terminal, crowded, roundish, male spike oblong. — *Flora Danica*. 444.

Bogs, June, P. Rare.

Eversholt.

Found by the Rev. J. HEMSTED.

670. *Pale Sedge*. — *C. pallescens*.

Spikes hanging down, male upright, females ovate, tiled, capsules crowded, blunt. — Leers. XV. 4.

Woods,

I House. III Males. Monoec. Triand.

Woods, June, P. Rare.

Putnoe Wood.

671. *Early Sedge.* — *C. præcox.*

Spikes upright, nearly sitting, contiguous, male spike oblong, larger, capsules downy. — *Flora Danica.* 403.

Heaths, Meadows, April, P. Common.

672. *Pink Sedge.* — *C. panicea.*

Spikes on fruitstalks, upright, remote, female spikes strap-shaped, capsules swollen, blunty. — *Leers.* XV. 5.

Wet Meadows, June, P. Common.

673. *Wood Sedge.* — *C. sylvatica.*

Spikes on fruitstalks, hanging down, male spike upright, females thread-shaped, loose, shorter than the fruitstalk, capsules ovate, awned, forked. — *Leers.* XV. 2.

Woods, June, P. Common.

674. *Slender-eared Sedge.* — *C. strigosa.*

Spikes on fruitstalks, pendant, the barren one upright, fertile ones thread-shaped, loose, capsules roundish, taper pointed.

Woods, Hedges, May, P. Rare.

Putnoe Wood,—Renbold.

Pendulous

I House. III Males. Monoec. Triand.

675. *Pendulous Sedge*. — *C. pendula*.

Spikes nearly sitting, drooping, male spike upright, females cylindrical, very long, capsules roundish, pointed. — Curtis. III. 63.

Woods, June, P. Common.

676. *Bank Sedge*. — *C. riparia*.

Male spikes many, 3-square, blackish, pointed, scales awn-pointed, capsules somewhat swollen, with 2 horns. — Curtis. IV. 60.

Ditches, April, P. Common.

677. *Sharp Sedge*. — *C. acuta*.

Male spikes many, blunt, scales rather blunt, stem with sharp angles. — Curtis. IV. 61.

Wet Places, April, P. Common.

678. *Heath Sedge*. — *C. recurva*.

Spikes crowded, on fruitstalks, cylindrical, somewhat pendant, the barren one terminal, capsules tiled, bluntish.

Pastures, May, P. Common.

679. *Beaked Sedge*. — *C. rostrata*.

Male spikes numerous, females mostly on fruitstalks, capsules swollen, round, pointed, straddling. — Leers. XVI. 2.

Moors, June, P. Rare.

Amptbill, — *Potton*.

Hairy

I House. III Males. Monoec. Triand.

680. *Hairy Sedge*. — *C. hirta*.

Spikes remote, males numerous, females mostly on fruitstalks, upright, capsules hairy. — Leers. XVI. 3.

Meadows, June, P. Common.

Obs :

Sheaths of the leaves hairy.

I House. IV Males. Monoec. Tetrand.

Birch. BETULA. Gen. Pl. 1419.

Male. — Cup of 1 leaf, 3 segments, 3 flowers. Blossom 4 segments.

Female. — Cup of 1 leaf, mostly 3 segments and 3 flowers. Seeds with a winged membrane on each side.

681. *Common Birch*. — *B. alba*.

Leaves ovate, pointed, serrated. — Blackwell. 240.

Woods in a sandy Soil, April, T. Common.

682. *Alder-tree*. — *B. Alnus*.

Fruitstalks branched. — Johnson's Gerard. 1477. 1.

Moist Places, March, T Rare.

Fenlake.

Nettle.

I House. IV Males. Monoec. Tetrand.

Nettle. URTICA. Gen. Pl. 1422.

Male. — Cup of 4 leaves. Blossom none.

Honey-cup central, in the shape of a drinking glass.

Female. — Cup of 2 valves. Blossom none.

Seed 1, shining.

683. *Small Stinging Nettle.* — U. urens.

Leaves opposite, oval. — Curtis. VI. 70.

Dunghills, July, A. Common.

684. *Great Stinging Nettle.* — U. dioica.

Leaves opposite, heart-shaped, bunches in pairs. — Curtis. VI. 69.

Road-sides, July, P. Common.

I House. Many Males. Monoec. Polyand.

Milfoil. MYRIOPHYLLUM. Gen. Pl. 1440.

Male. — Cup of 4 leaves. Petals 4, falling off.

Female. — Cup of 4 leaves. Petals 4, falling off. Style none. Seeds 4, naked.

685. *Spiked Milfoil.* — M. spicatum.

Flowers in spikes, spikes naked, interrupted, terminal. — Sowerby. 83. excellent.

Slow Streams, July, P. Rare.

Ford-End,—Castle Mills.

Whorled

I House. Many Males. Monoec. Polyand.

686. *Whorled Milfoil*. — *M. verticillatum*.

Flowers in whorls, in the bosoms of the leaves. — Sowerby. 218. excellent.

Ditches, July, P. Common.

Arrow-head. SAGITTARIA. Gen. Pl. 1441.

Male. — Cup of 3 leaves. Blossom of 3 petals.

Female. — Cup of 3 leaves. Blossom of 5 petals. Seeds many, naked.

687. *Common Arrow-head*. — *S. sagittifolia*.

Leaves pointed, arrow-shaped. — Sowerby. 84.

Rivers, July, P. Common.

Burnet. POTERIUM. Gen. Pl. 1445.

Male. — Cup of 4 leaves. Blossom of 4 segments.

Female. — Cup of 4 leaves. Blossom of 4 segments. Berry formed of the hardened tube of the blossom.

688. *Common Burnet*. — *P. Sanguisorba*.

Without thorns, stems somewhat angular. — Curtis. II. 64. Martyn. 69.

Hilly Pastures, June, P. Common.

I House. Many Males. Monoec. Polyand.

Oak. QUERCUS. Gen. Pl. 1447.

Male. — Cup of 5 segments. Blossom none.

Female. — Cup of 1 leaf, very entire, rough.

Blossom none. Seed 1, ovate.

689. *Common Oak, or Britain's Glory.* — Q. Robur.

Leaves falling off, oblong, broadest towards the end, waves rather sharp, angles blunt. — Blackwell. 487.

Woods, April, T. Common.

690. *Long-stalked Oak.* — Q. pedunculata.

Acorns on long fruitstalks. — Martyn. 10. excellent.

Woods, May, T. Rare.

Clapham Park Wood.

Beech. FAGUS. Gen. Pl. 1448.

Male. — Cup 5 segments, bell-shaped.

Blossom none.

Female. — Cup with 4 teeth. Blossom none. Capsule now, what was the cup before, 4-valved, 2-seeded.

691. *Common Beech.* — F. sylvatica.

Leaves ovate, indistinctly serrated. — Johnson's Gerard. 1444.

Woods, April, T. Common.

Common

I House. Many Males. Monoec. Polyand.

692. *Common Chesnut*. — F. *Castanea*.

Leaves spear-shaped, serrated, with tapering points, naked underneath.—Blackwell. 330.

Woods, May, T. Rare.

Silsoe.

Hazel. CORYLUS. Gen. Pl. 1450.

Male. — Cup of 1 leaf, 3 segments like a scale, 1-flowered. Blossom none.

Female. — Cup of 2 leaves, torn. Blossom none. Styles 2. Nut ovate.

693. *Hazel-nut*. — C. *avellana*.

Leafscales ovate, blunt. — Blackwell. 293.

Woods, Hedges, March, S. Common.

C L A S S. XXII.

Character of the XXIIId. Class.

Male and female organs on separate plants.

II Houses. II Males. Dioec. Diand,
Willow. SALIX. Gen. Pl. 1493.

Male. — Catkin with scales. Blossom none.
A honey-cup gland at the base.

Female. — Catkin with scales. Blossom none. Capsule 1-celled, 2-valved. Seeds downy.

II Houses. II Males. Dioec. Diand.

694. *Three-threaded Willow*. — *S. triandra*.

Leaves serrated, smooth, flowers with three males. — Curtis. VI. 72.

Osier-holts, May, S. Rare.

Thurleigh, — Fenlake.

695. *Crack Willow*. — *S. fragilis*.

Leaves serrated, smooth, ovate-spear-shaped, leafstalks with glandular teeth. — Woodville. 198.

Banks and Hedges, April, S. Common.

696. *One-threaded Willow*. — *S. monandra*.

Leaves serrated, smooth, strap-spear-shaped, upper ones oblique. — Curtis. VI. 71.

Banks and Hedges, May, S. Rare.

Thurleigh.

697. *Eared Willow*. — *S. aurita*.

Leaves very entire, woolly on both sides, somewhat ovate, with appendages. — Hoffman. His. Salic. IV. 1. 2.

Woods and Hedges, April, S. Rare.

Warden.

698. *Common Sallow*. — *S. caprea*.

Leaves ovate, wrinkled, woolly underneath, waved, with little teeth towards the end. — Hoffman. His. Salic. III. 1. 2.

Hedges, April, S. Common.

Osier

II Houses. II Males. Dioec. Diand.

699. *Osier Willow*. — *S. viminalis*.

Leaves for the most part entire, spear-shaped, very long, sharp ; silky underneath, branches rod-like.—Hoffman. His. Salic. II. 1. 2.

Osier-holts, April, S. Common.

700. *Common Willow*. — *S. alba*.

Leaves spear-shaped, pointed, downy on both sides, lower serratures glandular. — Hoffman. His. Salic. VII. 1.

Banks of Rivers, May, T. Common.

701. *Creeping Willow*. — *S. repens*.

Leaves very entire, spear-shaped, naked on both sides, stem creeping. — Sowerby. 183. excellent.

Bogs, June, S. Rare.

Amptbill.

Obs :

Root woody, creeping. Stems little-branched, somewhat upright, leaves white underneath. Style ovate, blunt at the end, simple. Stigma divided into 4, yellowish.

Mistletoe. VISCUM. Gen. Pl. 1504.

Male. — Cup of 4 segments. Blossom none. Threads none. Anthers growing to the cup.

Female. — Cup of 4 leaves, superior. Style none. Blossom none. Berry 4 seeds. Seeds heart-shaped.

Common

II Houses. II Males. Dioec. Diand.

702. *Common Mistletoe*. — *V. album*.

Leaves heart-shaped, blunt, stem forked,
spikes from the bosoms of the leaves. —
Woodville. 270. excellent.

Parasitical on Trees, May, S. Common.

II Houses. V Males. Dioec. Pentand.

Hop. HUMULUS. Gen. Pl. 1523.

Male. — Cup of 5 leaves. Blossom none.

Female. — Cup of 5 leaves, expanding ob-
liquely, entire. Blossom none. Seed 1,
within a leafy cup.

703. *Common Hop*. — *H. Lupulus*.

Sowerby. 427.

Hedges, June, P. Common.

II Houses. VI Males. Dioec. Hexand.

Ladies' Seal. TAMUS. Gen. Pl. 1527.

Male. — Cup of 6 segments. Blossom none.

Female. — Cup of 6 segments. Blossom
none. Style 3-cleft. Berry 3-celled, in-
ferior. Seeds 2.

704. *Black Briony*. — *T. communis*.

Leaves heart-shaped, entire. — Sowerby. 91.

Hedges, June, P. Common.

Poplar.

II Houses. VIII. Males. Dioec. Octand.

Poplar. POPULUS. Gen. Pl. 1531.

Male. — Cup of the catkin a torn scale.

Blossom top-shaped, oblique, entire.

Female. — Cup of the catkin and blossom
as in the male. Stigma 4-cleft. Cap-
sule 2-celled. Seeds many, downy.

705. *White Poplar.* — P. alba.

Leaves nearly round, tooth-angular, woolly
underneath. — Johnson's Gerard. 1486. 1.

Hedges, March, T. Rare.

Fenlake, — Stevington.

706. *Aspen Tree.* — P. tremula.

Leaves nearly round, tooth-angular, smooth
on both sides. — Johnson's Gerard. 1487. 3.

Woods, March, T. Common.

707. *Black Poplar.* — P. nigra.

Leaves trowel-shaped, pointed, serrated. —
Blackwell. 248. 1.

Woods, Hedges, March, T. Rare.

Sheerbatch.

II Houses. IX Males. Dioec. Enneand.

Mercury. MERCURIALIS. Gen. Pl. 1534.

Male. — Cup of 3 segments. Blossoms
none. Anthers round, double.

Female. — Cup of 3 segments. Blossom
none. Capsule 1 berry, 2 cells.

Dog's

II Houses. IX Males. Dioec. Enneand.

708. *Dog's Mercury*. — *M. perennis*.

Stem very simple, leaves rough. — Curtis.
II. 65.

Woods, Hedges, April, P. Common.

Frog-bit. HYDROCHARIS. Gen. Pl. 1535.

Male. — Sheath of 2 leaves. Cup of 3 segments. Blossom 3 petals. Threads, 3 innermost bearing styles.

Female. — Cup of 3 segments. Blossom 3 petals. Capsule 6 cells, many seeds, inferior.

709. *Common Frog-bit*. — *H. Morsus Ranæ*.

Curtis. III. 64.

Slow Streams, July, P. Rare.

Castle Mills,—Fenlake.

II Houses. Anthers united. Dioec. Syngen.

Bryony. BRYONIA. Gen. Pl. 1480.

Male. — Cup of 5 teeth. Blossom with 5 divisions. Threads 3. Anthers 5.

Female. — Cup of 5 teeth. Blossom with 5 divisions. Style with 3 segments. Berry roundish, with many seeds.

White

II Houses. Anthers united. Dioec. Syngen.

710. *White Bryony*. — *B. dioica*.

Leaves hand-shaped, rough on both sides, with callous points; flowers, male and female on separate plants. — Woodville. 189. Sowerby. 439.

Woods, Hedges, July, P. Common.

C L A S S. XXIII.

Character of the XXIIIId. Class.

This Class consists of plants in which some of the flowers in the same species have both male and female; some only male, and others only female organs.

Various dispositions. Polygamia.

I House. Polyg. Monoec.

Soft Grass. HOLCUS. Gen. Pl. 1565.

Hermaphrodite. — Cup a chaff, containing 2 florets. Blossom an awned chaff. Seed 1.

Male. — Cup a chaff of 2 valves. Blossom none.

711. *Creeping Soft Grass*. — *H. mollis*.

Root creeping, joints woolly, awn lengthened out beyond the spikelet. — Curtis. V. 8. Martyn. 119.

F f

Woods,

I House. Polyg. Monoec.

Woods, Hedges, July, P. Common.

712. *Meadow Soft Grass*. — *H. lanatus*.

Chaff with 2 flowers, woolly, hermaphrodite
florete awnless, male one awned, awn bowed
back. — Curtis. IV. 11. Martyn. 118.

Pastures, June, P. Common.

Crosswort. VALANTIA. Gen. Pl. 1575.

Hermaphrodite. — Cup none. Blossom with
4 divisions. Style 2-cleft. Seed 1.

Male. — Cup none. Blossom 3 or 4 divisi-
ons. Female organ indistinct.

713. *Common Crosswort*. — *V. Cruciata*.

Male flowers with 4 segments, fruitstalks
with 2 leaves. — Sowerby. 143. excellent.

Woods, Hedges, May, P. Common.

Pellitory. PARIETARIA. Gen. Pl. 1576.

Hermaphrodite. — Cup with 4 segments.
Blossom none. Threads 4. Style 1.
Seed 1, superior, lengthened out.

714. *Common Pellitory*. — *P. officinalis*.

Leaves spear-ovate, fruitstalks forked, cups
with 2 leaves. — Curtis. IV. 63.

Walls, June, P. Common.

Orach.

I House. Polyg. Monöec.

Orach. ATRIPLEX. Gen. Pl. 1577.

Hermaphrodite. — Cup of 5 leaves. Blossom none. Threads 5. Style with 2 segments. Seed 1, depressed.

Female. — Cup of 2 leaves. Blossom none. Threads none. Style with 2 segments. Seed 1, compressed.

715. *Spear Orach.* — *A. hastata*.

Stem herbaceous, valves of the cup in the female florets large, trowel-shaped, waved. Curtis. II. 66.

716. *Spreading Orach.* — *A. patula*.

Stem herbaceous, spreading, leaves somewhat trowel-spear-shaped, cups of the fruit toothed in the disc. — Johnson's Gerard. 326.

Dunghills, August, *A.* Common.

Maple. ACER. Gen. Pl. 1590.

Hermaphrodite. — Cup 5-cleft. Blossom 5 petals. Capsule 2 or 3-celled, with one seed ended by a wing.

Male. — Cup 5-cleft. Blossom 5 petals.

717. *Sycamore.* — *A. pseudo-platanus*.

Leaves with 5 lobes, unequal, serrated, flowers in bunches. — Sowerby. 303.

Woods, May, T. Rare.

Renhold Wood.

I House. Polyg. Monoec.

718. *Common Maple*. — *A. campestre*.

Leaves lobed, blunt, nicked.—Sowerby. 304.
Woods, June, T. Common.

II Houses. Polyg. Dioec.

Ash. FRAXINUS. Gen. Pl. 1597.

Hermaphrodite. — Cup none. Blossom
none. Seed 1, spear-shaped.

Female. — Female organ 1. Seed 1, spear-
shaped.

719. *Common Ash-tree*. — *F. excelsior*.

Leaves serrated, flowers without petals. —
Johnson's Gerard. 1472.

Hedges, April, T. Common.



CRYPTOGAMIA.

CLASS. XXIV.

Character of the XXIVth. Class.

Flowers not visible.

*

XXIV. Ferns. Crypt. Filices.

Horse-tail. EQUISETUM. Gen. Pl. 1614.

Fructifications disposed in an ovate-oblong, club-shaped spike, whorled, on a stem.

720. *Wood Horse-tail.* — E. sylvaticum.

Stem bearing a spike, fronds compound. —
Bolton. 33.

Woods, April, P. Rare.

Hawnes Wood, — Amptbill Park.

Obs :

Fronds simple in the seedling plants, in the more adult much whorled and branched.

Corr

XXIV. Ferns. Crypt. Filices.

721. *Corn Horse-tail*. — *E. arvense*.

Fertile stalk naked, barren one leafy. —
Curtis, IV. 64.

Cornfields, March, P. Common.

Obs :

Sheaths of the joints with from 4 to 5 teeth.

722. *Marsh Horse-tail*. — *E. palustre*.

Stem angular, fronds undivided. — Bolton.

35.

Marshes, June, P. Rare.

Amptbill Moor,—Stevington Bogs.

723. *River Horse-tail*. — *E. fluviatile*.

Stem scored, fronds nearly simple. — Bolton.

36.

Marshy Places, May, P. Common.

724. *Smooth Horse-tail*. — *E. limosum*.

Stem somewhat naked, smooth. — Ray's Syn-
opsis. V. 2.

Rivers, May, P. Common.

Obs :

*Sheaths of the joints more sharply and narrowly toothed
than in the foregoing.*

725. *Rough Horse-tail*. — *E. hyemale*.

Stem naked, rough to the touch, somewhat
branched at the base. — Bolton, 39.

Bogs,

XXIV. Ferns. Crypt. Filices.

Bogs, July, P. Rare.

Potton Marshes,—Amptbill Bogs.

Obs :

Spike very slender. Sheaths of the joints pale, not infrequently growing in my specimens at 3 inches distance from each other.

Adder's-tongue. OPHIOGLOSSUM. Gen. Pl. 1621.

Capsules numerous, growing together on a membrane into a double rowed spike, nearly round; when ripe opening transversely. Ring none. Seeds many, very small.

726. *Common Adder's-tongue.* — O. vulgatum.

Fronde ovate. — Sowerby. 108.

Meadows, May, P. Common.

Obs :

Root fibrous, leaf indistinctly heart-shaped, and bearing a 2-rowed spike on a long fruitstalk.

Moonwort. OSMUNDA. Gen. Pl. 1622.

Capsules distinct, disposed in a bunch, crowded, sitting, nearly round, opening transversely. Ring none. Seeds many, very small.

727. *Common Moonwort.* — O. Lunaria.

Bunch lateral, leaf winged, solitary. — Sowerby. 318.

Pastures, May, P. Rare.

Oakley

XXIV. Ferns. Crypt. Filices.

*Oakley West Field.**Obs :**Root fibrous, seeds in panicles, leaflets kidney-shaped.*728. *Royal Osmund.* — *O. regalis.*

Leaves with 2 rows of wings, with bunches at the end. — Sowerby. 209.

Boggy Places, July, P. Rare.

Aspley Wood.

Found by Mr. GEORGE DIXON, of *Eversholt*.

729. *Rough Moonwort.* — *O. Spicant.*

Leaves lance-shaped, winged, segments running into each other, very entire, parallel. — Curtis. II. 67.

Heaths and Marshes, July, P. Rare.

*Potton Marshes.**Obs :**Barren leaves broader, fertile fronds narrowest.*

Brakes. PTERIS. Gen. Pl. 1626.

Capsules disposed in a line on the under side along the margin of the frond.

730. *Common Fern.* — *P. aquilina.*

Leaves more than double compound, leaflets winged, wings spear-shaped, lower ones with winged clefts, upper ones smaller. — Bolton. 10.

Heaths, Commons, August, P. Common.

Spleen-wort.

XXIV. Ferns. Crypt. Filices.

Spleenwort. ASPLENIUM. Gen. Pl. 1631.

Capsules disposed in straight lines on the under side of the frond.

731. *Hart's-tongue.* — A. Scolopendrium.

Leaves undivided, heart-shaped, very entire, stalks hairy. — Curtis. I. 67.

Old Walls and Wells, August, P. Rare.

Bromham,—Eversholt.

732. *English Maiden-hair.* — A. Trichomanes.

Leaves winged, wings nearly round, scoloped. — Woodville. 204.

Old Walls, May, P. Rare.

Stafford Bridge, Oakley.

733. *Wall Rue.* — A. Ruta muraria.

Leaves doubly compound, in alternate order, leaflets wedge-shaped, scoloped. — Flora Danica. 190.

Old Walls, June, P. Common.

734. *Black Maiden-hair.* — A. Adiantum nigrum.

Leaves almost trebly winged, leaflets alternate, wings spear-shaped, between cut and serrated. — Blackwell. 220.

Old Walls, April, P. Rare.

Stafford Bridge, Oakley.

G g

Polypody.

XXIV. Ferns. Crypt. Filices.

Polypody. POLYPODIUM. Gen. Pl. 1632.

Capsules disposed in roundish dots over the under surface of the frond.

735. *Common Polypody.* — *P. vulgare.*

Fronds with winged divisions, wings oblong, somewhat serrated, blunt, root scaly. —

Curtis. I. 68. Woodville. 271.

Old Walls, Roots of Trees, June, P. Common.

Obs :

Fructifications in 2 rows, parallel.

736. *Crested Polypody.* — *P. cristatum.*

Fronds almost doubly winged, leaflets ovate-oblong, wings bluntish, sharply serrated at the point. — Bolton. 23.

Moist Woods and Bogs, June, P. Rare.

Potton Marshes, — Aspley Wood.

Obs :

Leaves paler than in the other species of this genus.

737. *Male Polypody.* — *P. Filix mas.*

Fronds doubly winged, wings blunt, finely scalloped, stalk chaffy. — Woodville. 49.

Woods, June, P. Common.

738. *Female Polypody.* — *P. Filix fœmina.*

Frond doubly winged, smaller wings spear-shaped, with winged divisions, pointed. — Blackwell. 325.

Moist

XXIV. Ferns. Crypt. Filices.

Moist Places, June, P. Rare.

Potton Marshes.

Obs :

Plant extremely elegant, divisions very fine, fructifications ovate, somewhat fringed.

739. *Marsh Polypody.* — P. *Thelypteris.*

Fronde doubly winged, wings with other winged divisions, very entire, quite covered with impregnating dust on the under side. — Bolton. 43.

Marshes, July, P. Rare.

Potton Marshes.

Obs :

The outline of the whole frond, taken collectively, is spear-shaped.

740. *Prickly Polypody.* — P. *aculeatum.*

Fronds doubly winged, wings spear-shaped, with fringe-like teeth, stalk chaffy. — Bolton. XXVI. 1. and 3.

Springs in the Shade, June, P. Rare.

Eversholt.

Obs :

The lobe of that part of the leaf, which runs along the midrib, is shaped like an ear, and terminated by an awn.

G g 2

Club-moss.

* *

XXIV. Mosses. Crypt. Musci.

Club-moss. LYCOPODIUM. Gen. Pl. 1615.

Fruit disposed in the bosom of the scales, which (being tiled closely) form a spike, sometimes sitting among the leaves.

741. *Common Wolf's-claw.* — L. clavatum.

Leaves scattered, ending in threads, spikes round, in pairs, on fruitstalks. — Dillenius.

LVIII. 1.

Heaths, July, P. Rare.

*Potton Heath.**Obs :*

Shoots creeping to a great extent at the roots of heath; fruitstalks and spikes paler than the leaves and shoots.

742. *Marsh Club-moss.* — L. inundatum.

Leaves scattered, very entire, spikes terminating, leafy. — Dillenius. LXII. 7.

Bogs, June, P. Rare.

*Amptbill.**Bog-moss.* SPHAGNUM. Gen. Pl. 1637.

Capsule with a lid. Mouth smooth. Veil none.

743. *Grey Bog-moss.* — S. palustre.

Branches bent downwards. — Dillenius.

XXXII. 1.

Bogs, July, P. Common.

Tree

XXIV. Mosses. Crypt. Musci.

744. *Tree Sphagnum*. — *S. arboreum*.

Branched, creeping, capsules on the sides of the branches, flowering all one way. — Dillenius. XXXII. 6.

Trees, March, P. Rare.

Clapham Park Wood.

Obs :

This very rare plant grows imbedded in other mosses.

Earth-moss. PHASCUM. Gen. Pl. 1636.

Veil very small. Lid none.

745. *Pointed Earth-moss*. — *P. cuspidatum*.

On a stem, leaves ovate, pointed, open, uppermost erect, converging. — Curtis. IV. 66.

Pastures, January, A. Common.

746. *Awl-leaved Earth-moss*. — *P. subulatum*.

Stemless, capsule sitting, leaves awl-bristle-shaped, open. — Curtis. IV. 67.

Heaths, March, A. Common.

747. *Alternate-leaved Earth-moss*. — *P. alternifolium*.

Fertile stems dwarf, barren ones taller, upright, leaves alternate, awl-shaped. — Dickson. Fasc. II. tab. II. fig. 1.

Bogs, April, A. Rare.

Stowington Bogs.

Crooked

XXIV. Mosses. Crypt. Musci.

748. *Crooked Earth-moss*. — *P. curvicollum*.

Stemless, capsules on fruitstalks, bowed downwards, leaves spear-shaped, pointed, open. — (*Dickson.*) *Dickson*. I. 3.

Banks, April, A. Rare.

Clapham.

749. *Hairy Phascum*. — *P. piliferum*.

On a stem, capsules on fruitstalks, leaves oblong, erect, with hairs at the ends. — *Schreber*. I. 6. 7.

Banks, Hillocks, March, P. Rare.

Clapham Hill.

Obs :

Capsule smaller than usual in the genus. Root-leaves fresh-green, under the capsules somewhat paler, ending in a hair, sometimes bent downwards, oftener erect.

750. *Round-capsuled Earth-moss*. — *P. sphærocarpon*.

Stemless, capsules sitting in the center of a rose of leaves; leaves strap-spear-shaped, spit-pointed.

Cart-ruts in Woods, October, A. Rare.

Clapham Park Wood.

Water-moss. FONTINALIS. *Gen. Pl.* 1655.

Capsule sitting on a short bristle, oblong, surrounded by a tiled fence. Fringes two, outer one with 16 broadish teeth, inner reticulated.

Great

XXIV. Mosses. Crypt. Musci.

751. *Great Water-moss.* — *F. antipyretica.*

Capsules nearly cylindrical, from the sides of the branches, leaves spear-shaped, loosely tiled, shoot branched, straggling. — Sowerby. 359.

Rivulets, June, P. Common.

Obs :

Leaves in three rows, fringes red, veil pointed, lid conical.

752. *Least Water-moss.* — *F. minor.*

Capsules terminating, leaves ovate, pointed, concave, pointing 3 ways, always 2 together. — Dillenius. XXXIII. 2.

Mill Walls, June, P. Rare.

Oakley Mill.

Obs :

Leaves more closely tiled than in the preceding species.

Bottle-moss. SPLACHNUM. Gen. Pl.

Capsule sitting on a large colored tubercle. Veil falling off. Star of the female on a distinct plant.

753. *Purple Bottle-moss.* — *S. ampullaceum.*

Receptacle cruet-shaped, inversely ovate. — Sowerby. 144.

Bogs, March, A. Rare.

Amptbill.

Hair-moss.

XXIV. Mosses. Crypt. Musci.

Hair-moss. POLYTRICHUM. Gen. Pl.

Capsule with a lid, sitting on a very minute tubercle. Veil woolly. Star on a distinct plant.

754. *Common Hair-moss.* — P. commune.

Capsules growing in parallel lines from the base, veils woolly, leaves strap-shaped, finely scalloped. — Dillenius. LIV. 1.

Moors, May, P. Common.

755. *Juniper Hair-moss.* — P. juniperinum.

Capsules growing in parallel lines from the base, veils woolly, leaves strap-spear-shaped, very entire, pointed. — Dillenius. LIV. 2.

Hills, June, P. Common.

756. *Dwarf Hair-moss.* — P. subrotundum.

Capsules roundish, nodding, veils woolly, leaves indistinctly serrated. — Curtis. II. 68.

Heaths, May, P. Common.

Marsh-moss. MNIUM. Gen. Pl. 1593.

Capsule with a lid, veil smooth. Barren flowers in a small head, naked, powdery, remote.

757. *Fountain Marsh-moss.* — M. fontanum.

Capsules roundish, lid short, conical, leaves spear-serrated, tiled, bent inwards at the points. — Sowerby. 390.

Turfy

XXIV. Mosses. Crypt. Musci.

Turfy Bogs, May. P. Rare.

Amptbill.

Obs :

Capsule supported by a fruitstalk, somewhat twisted, growing out of the fork of the shoot. Tubercle more splendid than usual in the genus.

758. *Common Marsh-moss.* — *M. palustre.*

Stem forked, leaves awl-shaped. — Sowerby. 391.

Bogs, June, P. Rare.

Amptbill,—Potton,—Aspley.

759. *Yellow Marsh-moss.* — *M. hygrometricum.*

Stemless, capsule nodding, veil 4-square, bent back. — Dillenius. LII. 75.

Walls, Banks, March, A. Common.

Obs :

Leaves rolled inwards, transparent, concave: fruitstalk bent inwards, yellowish green: veil slanting.

760. *Purple Marsh-moss.* — *M. purpureum.*

Stem forked, fruitstalks from the bosoms of the leaves, capsule erect, leaves keeled. — Dillenius. XLIX. 51.

Walls, April, P. Common.

761. *Swan's-neck Marsh-moss.* — *M. hornum.*

H h

Capsules

XXIV. Mosses. Crypt. Musci.

Capsules oblong, nodding, fruitstalk bowed down, leaves oblong-spear-shaped, slightly serrated, shoot nearly simple. — Dillenius. LI. 71.

Bogs, February, P. Rare.

Potton,—Amptbill.

762. *Capillary Marsh-moss.* — *M. capillare.*

Capsules hanging down, leaves ovate, keeled, with bristles at the end, fruitstalks very long.

Walls, April, P. Rare.

Amptbill.

763. *Dotted Marsh-moss.* — *M. punctatum.*

Capsules ovate, hanging down, leaves inversely ovate, blunt, dotted, very entire. — Dillenius. LIII. 81.

Groves in a sandy soil, April, P. Rare.

Amptbill,—Southill.

Obs :

Shoots creeping, leaves roundish, alternate.

764. *Pointed Marsh-moss.* — *M. cuspidatum.*

Capsules ovate, hanging down, leaves sharp-ovate, pointed, slightly serrated. — Dillenius. LIII. 79.

Groves in a sandy soil, April, P. Common.

Obs :

Leaves keeled, fringed. Shoots rather upright.

Proliferous

XXIV. Mosses. Crypt. Musci.

765. *Proliferous Marsh-moss.*—*M. proliferum*.

Capsules ovate, hanging down, leaves crowded, in a rose, spear-shaped, pointed. — Dillenius. LII. 77.

Woods, April, P. Common.

Obs :

Shoots upright, branched, leaves keeled.

766. *Waved Marsh-moss.* — *M. undulatum*.

Capsules ovate-oblong, hanging down, leaves oblong, waved, slightly serrated. — Dillenius. LII. 76.

Woods, April, P. Common.

Obs :

Shoots very much branched, resembling a small tree, leaves waved.

767. *Triangular Marsh-moss.*—*M. triquetrum*.

Leaves in three rows, open, awl-spear-shaped, keeled. — Dillenius. LI. 72.

Bogs, April, P. Common.

768. *Turfy Marsh-moss.* — *M. cæspitium*.

Capsules hanging down, leaves spear-shaped, between pointed and ending in a bristle, fruitstalks very long. — Curtis. III. 67. 1.

Walls, February, P. Common.

Obs :

The lower half of the fruitstalks red, the upper yellowish-green.

H h 2

Thread-moss.

XXIV. Mosses. Crypt. Musci.

Thread-moss. BRYUM. Gen. Pl. 1194.

Capsule with a lid. Veil smooth. Thread arising from a tubercle at the end of the shoot.

769. *Sessile Thread-moss.* — B. apocarpum.

Capsules sitting, at the ends of the branches, veil very small. — Dillenius. XXXII. 4. Flora Danica. 480.

On Tiles in a north aspect, November, P. Rare.
Amptbill, -Clapham, -St. Mary's Church, Bedford.

Obs :

This species is soon determined by the extreme smallness of the veil and the scarlet color of the lid.

770. *Scored Thread-moss.* — B. striatum.

Capsules ovate-cylindrical, scored, leaves spear-shaped, margin bent back, open, upper ones gnawed at the point. — (*Sibthorpe.*) Dillenius. LV. 8.

Trees, February, P. Common.

Obs :

Capsules sitting, shoots small, much branched.

771. *Curled Thread-moss.* — B. crispum.

Capsules ovate, on fruitstalks thickening upwards, leaves strap-spear-shaped, curled up in drying. — (*Sibthorpe.*) Dillenius. LV.

II.

Trees,

XXIV. Mosses. Crypt. Musci.

Trees, May, P. Common.

Obs :

Leaves more brilliant than in the preceding.

772. *Bearded Thread-moss.* — *B. barbatum.*

Capsules upright, oblong, bearded, lid pointed, slanting, fruitstalks from the sides of the shoots. — Dillenius. XLVIII. 48.

Walls, February, P. Common.

773. *Shining Thread-moss.* — *B. pellucidum.*

Capsules egg-oblong, small ; lid taper-pointed, bent, shoot hairy, leaves spear-shaped, reflected, acute. — (*Wilbering.*) Dillenius. XLVI. 23. 24.

Marshy spots, June, P. Rare.

Bog in Aspley Wood.

Obs :

Roots matted and covered with rust-colored capillary fibres.

774. *Small Heath Thread-moss.* — *B. cerviculatum.*

Capsules egg-shaped, unequal, toothed, leaves very slender.

Heaths, August, P. Rare.

Amptbill.

775. *Pea-green Thread-moss.* — *B. convolutum.*

Capsules

XXIV. Mosses. Crypt. Musci.

Capsules cylindrical, leaves of the fence blunt, rolled up so as to form a cylinder, leaves spear-shaped. — Dillenius. XLVIII. 44.

Base of brick walls, March, A. Common.

776. *Tendril Thread-moss*. — *B. cirrhatum*.

Capsules egg-oblong, lid taper-pointed, veil reaching but half way, shoots branched, leaves strap-spear-shaped, midribbed, acute. — (*Withering*.) Flora Danica. 538. 4.

Boggy woods, March, P. Rare.

Aspley Wood.

777. *Trifid Thread-moss*. — *B. trifarium*.

Capsules egg-oblong, mouth bearded, shoots seldom branched, leaves spear-awl-shaped, expanding. (*Dickson*.)

Stones, March, P. Rare.

Clapham Springs.

778. *Pale Thread-moss*. — *B. androgynum*.

Capsules cylindrical, lids taper-pointed, fruit-stalks terminating, shoot branched, upright, leaves spear-shaped, rather expanding. — Dillenius. XXXI. 1.

Woods, June, A. Rare.

Aspley Wood.

Simple

XXIV. Mosses. Crypt. Musci.

779. *Simple Thread-moss*. — *B. simplex*.

Capsules ovate-oblong, nodding, lid conical, leaves awl-shaped, scattered. — (*Sibthorpe*.)
Dillenius. L. 59.

Marshy spots, March, P. Rare.

Clapham Springs.

780. *Seagreen Thread-moss*. — *B. glaucum*.

Capsules oblong, lid pointed, bent back, leaves erect, tiled, stem branched, upright. —
Dillenius. XLVI. 20.

Heaths and woods, October, P. Rare.

Amptbill Heath, — *Aspley Wood*.

781. *Equal Thread-moss*. — *B. decipiens*.

Capsules slanting, lid conical, fruitstalks as high as the leaves, leaves strap-spear-shaped, keeled.

Walls, February, P. Rare.

Clapham, — *Amptbill*.

Obs :

Like the barbatum, but smaller in all it's parts.

782. *Extinguisher Thread-moss*. — *B. extinctorium*.

Capsule erect, oblong, smaller than the veil ; veils loose, equal at the base. — Dillenius.
XLV. 8.

Walls, October, P. Common.

Spear-shaped

XXIV. Mosses. Crypt. Musci.

783. *Spear-shaped Thread-moss.* — *B. lanceolatum.*

Capsule erect, ovate, toothed, shoots rather upright, leaves spear-shaped, concave, pointed. — (*Dickson.*)

Grassy spots, March, P. Common.

784. *Heath Thread-moss.* — *B. heteromallum.*

Capsules erect, leaves bristle-shaped, pointing one way. — Dillenius. XLVII. 37.

Heaths, March, A. Common.

Obs :

Fruitstalks rising from the back of the shoots.

785. *Wall Thread-moss.* — *B. murale.*

Capsules upright, leaves with a hair at the end, straightish, shoots simple, in a turf. — Dillenius. XLV. 14.

Walls, March, P. Common.

786. *Egg Thread-moss.* — *B. ovatum.*

Capsules upright, ovate, leaves ovate, concave, with a hair at the end. — (*Dickson.*)

Mud walls, April, A. Common.

Obs :

Shoots tiled in the closest manner, with leaves that are not only concave, but converging.

787. *Apple Thread-moss.* — *B. pomiforme.*

Capsules erect, sphærical. — Dillenius. XLIV. 1.

Sandy

XXIV. Mosses. Crypt. Musci.

Sandy Banks, February, A. Rare.

Clophill,—Southill,—Potton.

Obs :

Leaves growing in a thick turf, very finely scalloped towards the points. Capsule round, yellow-green.

788. *Pear Thread-moss.* — *B. pyriforme.*

Leaves expanded, flat, oblong, pointed, capsules shaped like a pear. — Sowerby. 413.

Banks, February, A. Common.

789. *Stiff Thread-moss.* — *B. rigidum.*

Capsules oblong, upright, shoots simple, very short, leaves oblong, stiff, rolled in at the edge. — Sowerby. 180.

Walls, November, P. Common.

Obs :

Leaves curl up in drying, lid red at the base, fringe twisted up cylindrically.

790. *Grey Thread-moss.* — *B. rurale.*

Capsules nearly upright, leaves bent back, ending with a hair. — Dillenius. XLV. 12.

Roofs of Cottages, December, P. Common.

791. *Broom Thread-moss.* — *B. scoparium.*

Capsules nearly upright, fruitstalks incorporated, leaves pointing one way, bowed back, stem declining. — Dillenius. XLVI. 16.

Heaths, June, P. Common.

XXIV. Mosses. Crypt. Musci.

792. *Awl Thread-moss*. — *B. subulatum*.

Capsules upright, awl-shaped, shoots stemless. — Curtis. III. 66.

Walls, Banks, January, P. Common.

Obs :

The size of the leaves particularizes the species at first sight.

793. *Brown Thread-moss*. — *B. truncatulum*.

Capsules upright, roundish, lid ending in a sharp point. — Curtis. II. 70. 2.

Ditches, February, A. Common.

Obs :

Capsule lopped when ripe.

794. *Crouded Thread-moss*. — *B. hypnoides*.

Capsules egg-shaped, shoots ascending, branches lateral, short, fruit-bearing. — (*Withering.*) Dillenius. XLVII. 32.

Fir Groves, Autumn, Rare.

Warden.

795. *Bird's-claw Thread-moss*. — *B. unguiculatum*.

Capsules upright, oblong, lid pointed, oblique, fruitstalks thickening upwards, leaves strap-spear-shaped, keeled. — Dillenius. XLVIII. 47.

Walls, March, A. Common.

Green

XXIV. Mosses. Crypt. Musci.

796. *Green Thread-moss*. — *B. virens*.

Capsules upright, oblong, leaves awl-shaped, quite straight. — Dillenius. XLVIII. 43.

Ditch Banks, March, A. Common.

797. *Silver Thread-moss*. — *B. argenteum*.

Capsules hanging down, shoots cylindrical, tiled, smooth. — Curtis. III. 67. 2.

Walls, Banks, February, P. Common.

798. *Cushion Thread-moss*. — *B. pulvinatum*.

Capsules roundish, fruitstalks bowed back, leaves ending in hairs. — Dillenius. L. 65.

Walls, March, A. Common.

799. *Curled Thread-moss*. — *B. undulatum*.

Capsule cylindrical, nodding, veils smooth, leaves spear-shaped, waved, serrated. — Curtis. I. 70.

Woods, February, P. Common.

800. *Chalky Thread-moss*. — *B. calcareum*.

Capsules upright, inversely conical, toothed, leaves upright, round, bluntish. — Sowerby. 191. excellent.

Chalk Pits, May, A. Rare.

Barton Hill.

Obs :

Fruitstalk scarcely taller than the leaves. Veil covering the upper half of the capsule.

I i 2

Feather-moss

XXIV. Mosses. Crypt. Musci.

Feather-moss. HYPNUM. Gen. Pl. 1656.

Capsule with a lid, veil smooth, thread from the side of the stem, surrounded by an empalement.

801. *Upright Feather-moss.* — H. adiantoides.

Leaf winged, branched, upright, bearing fruitstalks in the middle. — Sowerby. 264.

Commons, April, P. Common.

Obs :

Leaf stiffish, leaflets alternate.

802. *Flat Feather-moss.* — H. complanatum.

Leaf winged, branched, leaflets tiled, pointed, folded, compressed. — Dillenius. XXXIV. 7.

Trunks of Trees, March, P. Common.

Obs :

Fruitstalks rise sometimes from the midrib, oftener out of the fork.

803. *Yew-leaved Feather-moss.* — H. taxifolium.

Leaf not branched, winged, spear-shaped, bearing the fruitstalk at its base. — Dillenius. XXXIV. 2.

Woods, February, A. Common.

804. *Small Feather-moss.* — H. bryoides.

Fruitstalks terminating, capsules oblong, lid acute, leaflets spear-shaped, sharp-pointed. — Dillenius. XXXIV. 1.

Woods,

XXIV. Mosses. Crypt. Musci.

Woods, May, A. Rare.

Aspley.

805. *Round-leaved Feather-moss.* — *H. rotundifolium.*

Branched, fruitstalks lateral, capsules ovate.

Mill wheels, April, P. Very rare elsewhere,
but common in Bedfordshire.

806. *Floating Feather-moss.* — *H. fluitans.*

Shoots straggling, branched, leaves spear-
awl-shaped, scattered.—Dillenius. XXXVIII.

33.

Stagnant Waters, September, A. Rare.

Ponds on the Goldington Road.

Obs :

Where it grows it is found in profusion, but never fructifies here.

807. *Yellow Feather-moss.* — *H. lutescens.*

Shoots straggling, branched, leaves awl-shaped, capsules oblique. — Dillenius. XLII.

60.

Chalky Hills, January, P. Common.

808. *Common Feather-moss.* — *H. rutabulum.*

Shoots straggling, branched, leaves ovate-pointed, open, capsules slanting, lid conical. — Dillenius. XXXVIII. 29.

Woods, September, P. Common.

Butcher's

XXIV. Mosses. Crypt. Musci.

809. *Butcher's broom Feather-moss*.—*H. rusci-folium*.

Shoots creeping, branched, leaves oval, concave, transparent, capsules roundish, bent inwards. — Dillenius. XXXVIII. 31.

Mill Wheels, January, P. Rare.

Oakley and Duck Mills.

810. *Starry Feather-moss*. — *H. stellatum*.

Shoots branched, starry at the points, leaves spear-shaped, with long points, open. — (*Sibthorpe.*) Dickson. I. 7.

Turfy Bogs, April, P. Rare.

Amptbill.

811. *Triangular Feather-moss*. — *H. triquetrum*.

Branches straggling, bent back, leaves ovate, bent back, open.—Dillenius. XXXVIII. 28.

Woods, September, P. Common.

Obs :

Leaves not keeled.

812. *Fir Feather-moss*. — *H. abietinum*.

Shoots winged, roundish, distant, unequal. — Dillenius. XXXV. 17.

Chalkpits, March, P. Rare.

Barton Hills.

Obs :

I have not seen it in fructification.

Crested

XXIV. Mosses. Crypt. Musci.

813. *Crested Feather-moss*. — *H. crista castrensis*.

Shoots winged, little branches close together, with the points bowed back. — Dillenius. XXXVI. 20.

Hills, March, P. Common.

Obs :

Plants often crowded into great masses, procumbent, soon perceived by their silky gloss.

814. *Bog Feather-moss*. — *H. filicinum*.

Shoots winged, little branches distant, leaflets tiled, bowed inwards, sharp, pointed one way. — Dillenius. XXXVI. 19.

Bogs, March, P. Rare.

Stevington Bogs.

Obs :

Leaves branched, often proliferous at the sides.

815. *Wall Feather-moss*. — *H. parietinum*.

Shoots flat and winged, lengthened out, fruit-stalks in clusters. — Dillenius. XXXV. 13.

Heaths, February, P. Common.

Obs :

The shoots of the new year do not arise from the end of the old one, but near to it.

816. *Feathery Feather-moss*. — *H. plumosum*.

Shoots

XXIV. Mosses. Crypt. Musci.

Shoots winged, creeping, branches crowded, leaves tiled, awl-shaped, capsules erect. — Dillenius. XXXV. 16.

Trees, January, P. Rare.

Sheerbatch Wood.

817. *Trailing Feather-moss.* — *H. prælongum.*

Shoots simply winged, leaves spear-shaped, loosely tiled, capsules ovate, lid like a reaping hook. — Dillenius. XXXV. 15.

Trees, February, P. Common.

818. *Proliferous Feather-moss.* — *H. proliferum.*

Shoots bearing others, flat, winged, fruit-stalks in clusters. — Dillenius. XXXV. 14.

Shady Woods, December, P. Common.

Obs :

Shoot produced from the end of the leaf.

819. *Hooked Feather-moss.* — *H. aduncum.*

Shoot branched, upright, leaves strap-spear-shaped, like a reaping hook, crowded, hooked at the end. — Dillenius. XXXVII. 26.

Marshes, April, P. Common.

820. *Cypress Feather-moss.* — *H. cupressiforme.*

Shoots somewhat winged, leaves pointing one way, bowed back, awl-shaped at the end. — Dillenius. XXXVII. 23.

Woods, March, P. Common.

Scorpion's

XXIV. Mosses. Crypt. Musci.

821. *Scorpion's-tail Feather-Moss*. — *H. scorpioides*.

Branches straggling, trailing, bowed back, leaves pointing one way, pointed.

Turfy Bogs, November, P. Rare.

Amptbill,—Potton.

822. *Scurfy Feather-moss*. — *H. squarrosus*.

Shoots branched, leaves awl-shaped, bowed back in all directions, capsules oblong, rather nodding, lid short, conical. — Dillenius. XXXIX. 38.

Moist Meadows, March, P. Common.

823. *Twig Feather-moss*. — *H. viticulosus*.

Shoots creeping, branches straggling, round, leaves open, taper-pointed. — Dillenius. XXXIX. 43.

Trees, March, P. Common.

Obs :

Lid pointed, capsule mahogany-colored.

824. *Fox-tail Feather-moss*. — *H. alopecurus*.

Shoots upright, branches in bundles, terminating, subdivided, capsules rather nodding. Dillenius. XLI. 49.

K k

Woods,

XXIV. Mosses. Crypt. Musci.

Woods, April, P. Common.

Obs :

Stem scales tapering to a point.

825. *Tree Feather-moss.* — *H. dendroides.*

Shoot upright, branches in bundles, terminating, mostly simple, capsules upright. — Dillenius. XL. 48.

Woods, February, P. Rare.

Amptbill,—Southill,—Clophill.

Obs :

Stem scales bluntish.

826. *Pointed Feather-moss.* — *H. cuspidatum.*

Shoots straggling, pointed at the ends by the edges of the leaves rolled inwards. — Dillenius. XXXIX. 34.

Wet Pastures, March, P. Common.

827. *Meadow Feather-moss.* — *H. purum.*

Shoots winged, scattered, awl-shaped, leaves ovate, blunt, approaching. — Curtis. III. 65.

Pastures, February, P. Common.

828. *Water Feather-moss.* — *H. riparium.*

Shoots cylindrical, branched, leaflets pointed, open, distant. — Dillenius. XL. 44.

Bogs, April, P. Common.

Squirrel's-tail

XXIV. Mosses. Crypt. Musci.

829. *Squirrel's-tail Feather-moss*.—*H. sciuroides*.

Shoots upright, branched, bowed inwards. —
Dillenius. XLI. 54.

Trees, February, P. Common.

830. *Mouse-tail Feather-moss*. — *H. myosuroides*.

Shoots very much branched, branches awl-shaped, round, tapering each way. — Dillenius. XLI. 51.

Trees and Pales, March, P. Common.

831. *Silky Feather-moss*. — *H. sericeum*.

Shoot creeping, branches crowded, upright, leaves awl-shaped, capsules upright. — Dillenius. XLII. 59.

Walls, Trees, April, P. Common.

832. *Creeping Feather-moss*. — *H. serpens*.

Shoots creeping, branches thread-shaped, leaves very minute. — Dillenius. XLII. 64.

Trees, March, P. Common.

833. *Velvet Feather-moss*. — *H. velutinum*.

Shoot creeping, branches crowded, upright, leaves awl-shaped, capsules somewhat nodding. — Dillenius. XLII. 61.

Trees, Autumn, P. Common.

XXIV. Thongs. Crypt. Algæ.

Star-tip. JUNGERMANIA. Gen. Pl. 1662.

Capsule solitary, with 4 valves. Seeds attached to a thread.

834. *Spleenwort Star-tip.* — *J. asplenioides*.

Leaves simply winged, leaflets ovate, somewhat fringed. — Dillenius. LXIX. 6.

Ditch Banks near Woods, April, P. Common.

835. *Forked Star-tip.* — *J. bicuspidata*.

Leaves simply winged, flowering in the middle, leaflets with two teeth. — Sowerby. 281.

Wet shady Places, March, P. Common.

Obs :

The two nicks in the leaves form an acute angle.

836. *Cloven Star-tip.* — *J. bidentata*.

Leaves simply winged, flowering at the point, leaflets with two teeth. — Dillenius. LXX. 11.

Wet shady places, October, A. Common.

Obs :

The two nicks of the leaves resemble the pointed horns of the new moon.

837. *Straggling Star-tip.* — *J. viticulosa*.

Leaves simply winged, leaflets roundish, very entire. — Dillenius. LXIX. 6.

Walls, April, P. Common.

Flat

XXIV. Thongs. Crypt. Algæ.

838. *Flat Star-tip*. — *J. complanata*.

Shoots creeping, leaflets doubly tiled, with ear-shaped segments underneath, branches of equal breadth. — Curtis. IV. 68. Dillenius. LXXII. 26.

Trees, January, P. Common.

839. *Scaly Star-tip*. — *J. dilatata*.

Shoots creeping, leaflets doubly tiled, with ear-shaped segments underneath, branches broader at the point. — Dillenius. LXXII. 27.

Trees, March, P. Common.

840. *Tamarisk Star-tip*. — *J. tamariscifolia*.

Leaves tiled in a double row, upper ones roundish, convex, blunt, four times as large as the other. — Dillenius. LXXII. 31.

Trees, February, P. Common.

Obs :

Fructifications yellow, sometimes erect, oftener drooping.

841. *Broad-leaved Star-tip*. — *J. epiphylla*.

Stemless, a little leaf growing on the frond. — Dillenius. LXXIV. 41.

Bogs, March, P. Rare.

Amptbill, — Potten.

Obs :

Lower leaf growing to the soil.

Strap-shaped

XXIV. Thongs. Crypt. Algæ.

842. *Strap-shaped Star-tip*. — *J. furcata*.

Stemless, frond strap-shaped, branched, the ends forked and bluntish. — Dillenius.

LXXIV. 45.

Trees, April, P. Rare.

Amptbill-Park Plantations.

Obs :

Small branches adhering firmly to the bark of trees, strap-shaped, forked.

843. *Wall Star-tip*. — *J. platyphylla*.

Shoots trailing, tiled underneath, leaflets heart-shaped, pointed. — Dillenius. LXXII. 32.

Walls, March, P. Common.

Obs :

Spreading like a carpet over the brinks of old walls.

844. *Dwarf Star-tip*. — *J. multifida*.

Stemless, shoots with double wings. — Sowerby. 186. excellent.

Woods, April, P. Common.

Obs :

Leaves very finely divided, fructifications rising nearly from the center of the leaves, yellowish, white at the base, numerous.

845. *Fagged Star-tip*. — *J. pinguis*.

Stemless, frond oblong, waved, greasy. — Sowerby. 185.

Bogs, April, P. Common.

Obs :

XXIV. Thongs. Crypt. Algæ.

Obs :

Leaves broader than in the other star-tips, paler towards the ends.

846. *Shining Star-tip*. — *J. pusilla*.

Stemless, frond mostly winged, lobes tiled, empalement plaited. — Dillenius. LXXIV. 46.

Shady Lanes, March, P. Rare.

Hazel-wood Lane, Amptbill Moor.

847. *Powdered Star-tip*. — *J. fissa*.

Fronds simply winged, leaflets in two rows, nicked at the point. — Dillenius. XXXI. 6.

Wet Places, March, P. Rare.

Amptbill Moor.

Obs :

Fronds in two rows, nicked, small branches few, 2 or 3 only, so that they can hardly be called winged.

Liver-green. MARCHANTIA. Gen. Pl. 1661.

Receptacle target-shaped, bearing seeds underneath, in many capsules. Capsules with 4 valves. Seeds attached to a thread.

848. *Star-headed Liver-green*. — *M. polymorpha*.

Common cup with 10 divisions. — Dillenius. LXXVI. 6.

Wet

XXIV. Thongs. Crypt. Algæ.

Wet Places, July, P. Rare.

Eversholt.

Obs :

Heads shaped like the skeleton of an umbrella.

Liver-wort. LICHEN. Gen. Pl.

Male. — Receptacle roundish, rather flat, shining.

Female. — A meal sprinkled on the leaves.

* Powdery Lichens.

849. *White Liver-wort.* — L. albus.

Very white, between powdery and crustaceous. — Dillenius. I. 2. Flora Danica.

840. 4.

On decayed Mosses, January, P. Common.

850. *Hoary Liver-wort.* — L. incanus.

Hoary, powdery, like scattered meal. — Dillenius. I. 3.

Bark of Trees, June, A. Common.

851. *Yellow Liver-wort.* — L. flavus.

Yellow, powdery, growing on wood. — Dillenius. I. 4.

Old pales, Oak bark, September, A. Common.

* * Crustaceous,

XXIV. Thongs. Crypt. Algæ.

* * Crustaceous, with black lines.

852. Wrinkled *Liver-wort*. — *L. rugosus*.

Crust whitish, simple, black lines and dots crowded together. — Dillenius. XVIII. 2.

Bark of Trees. January, P. Common.

Obs :

Scarcely different from L. scriptus.

853. *Lettered Liver-wort*. — *L. scriptus*.

Crust whitish, with black lines branched like Asiatic characters. — Dillenius. XVIII. 1.

Bark of Trees, January, P. Common.

854. *Flea Liver-wort*. — *L. pulicaris*.

Crust whitish, lines black, very short and simple. — Hoffman's Enum. Lich. III. 2.

Bark of Trees, December, P. Rare.

Amptbill Park.

* * * Crustaceous, with tubercles.

855. *Beech Liver-wort*. — *L. fagineus*.

Crust white, tubercles white, mealy. — Dillenius. XVIII. 11.

Bark of Trees, December, P. Common.

856. *Whitish-black Liver-wort*. — *L. atro-albus*.

Crust black, tubercles black and white, mixed together. — Jacquin. Collect. II. 14. 1.

L 1

Walls,

XXIV. Thongs. Crypt. Algæ.

Walls, January, P. Common.

857. *Dyer's Liver-wort*. — *L. calcareus*.

Crust white, tubercles black. — Dillenius.
XVIII. 8.

Walls, January, P. Common.

858. *Sunk Liver-wort*. — *L. immersus*.

Tubercles black, sunk in the stones. — Sowerby. 193. excellent.

Chalk or Limestone, January, P. Rare.

Barton,—Elstow.

Obs :

Tubercles black, very minute, color of the crust very white, substance very thin.

859. *Black-knobbed Liver-wort*. — *L. sanguinarius*.

Crust ashy-green, tubercles black. — Sowerby. 155. excellent.

Trees, January, P. Common.

860. *Moss Liver-wort*. — *L. muscorum*.

Crust ash-colored, tubercles black. — Relhan's plate at page 424.

On Mosses, January, P. Rare.

Newenham Wall.

Obs :

The crust is a mass united and growing amongst various species of the Hyfna, tubercles globular.

Hoary

XXIV. Thongs. Crypt. Algæ.

861. *Hoary Liver-wort.* — *L. canescens.*

Crust whitish, tubercles very black, crowded.

Dillenius. XVIII. 17. A.

Trees, Walls, December, P. Common.

862. *Bluish Liver-wort.* — *L. cæruleo-nigricans.*

Crust bluish, tubercles black. — Hoffman.

Enum. Lich. XXXII. 3.

Hills, January, P. Rare.

Barton Hill,—Kempston.

Obs :

Younger tubercles greenish, almost sitting, older ones on stems, at length turning back.

863. *Wall Liver-wort.* — *L. fusco-ater.*

Crust brown, tubercles black. Jacquin. Collect. II. 14. 3.

Walls, January, P. Common.

864. *Oak Liver-wort.* — *L. querneus.*

Crust yellowish brown, tubercles black, nearly sunk in the crust. — Dickson, Fasc. Crypt. I. 2. 3.

Posts and Gates, January, P. Common.

865. *Sulphureous Liver-wort.* — *L. sulphureus.*

Crust brimstone-colored, cracked, uneven, tubercles brown-black, irregular, very small.

Hoffman. Enum. Lich. VI. 3.

XXIV. Thongs. Crypt. Algæ.

Brick Walls, March, P. Rare.

Elstow.

866. *Horn-beam Liver-wort.* — *L. carpineus.*

Crust ash-colored, tubercles whitish, wrinkled. — Dillenius. XVIII. II. C.

Trees, January, P. Common.

Obs :

Crust very thin.

867. *Heath Liver-wort.* — *L. ericetorum.*

Crust the color of verdigris, tubercles nearly sitting, flat, flesh-colored. — Sowerby. 372. excellent.

Heaths, December, P. Common.

Obs :

At first sight like a slice of sage cheese.

868. *Mushroom Liver-wort.* — *L. byssoides.*

Crust ashy-green, tubercles brown, mostly on fruitstalks. — Sowerby. 373.

Heaths, December, P. Rare.

Amptbill.

Obs :

Tubercles on long stems like a small species of Agaric.

869. *Large Heath Liver-wort.* — *L. Bæomyces.*

Crust whitish, tubercles on stems, flesh-colored. — Sowerby. 374. excellent.

Heaths,

XXIV. Thongs. Crypt. Algæ.

Heaths, January, P. very Rare.

Amptbill.

Obs :

Crust very uneven.

870. *Pierced Liver-wort.* — *L. pertusus.*

Crust with smooth warts, set chequer-wise, pierced with 1 or 2 cylindrical perforations. — Dillenius. XVIII. 9. Flora Danica. 766.

Trees, January, P. Common.

871. *Yellow-red Liver-wort.* — *L. flavo-rubescens.*

Crust greenish ash-color, tubercles orange-red. — Flora. Danica. 955. 1.

Tress, January, P. Common.

872. *Rusty Liver-wort.* — *L. vernalis.*

Crust whitish, tubercles roundish, rust-colored. — Dillenius. LV. 8.

Rails, Posts, January, P. Common.

Obs :

Crust ashy-white.

* * * * Liver-worts bearing shields.

873. *Rugged Liver-wort.* — *L. ater.*

Crust whitish, wrinkled, shields black, margin white, rather scalloped. — Dillenius. XVIII. 15. A.

Walls,

XXIV. Thongs. Crypt. Algæ.

Walls, Bricks, January, P. Common.

Obs :

Shields of various sizes, black with ash-colored borders.

874. *Golden Liver-wort.* — *L. candelarius.*

Crust yellow, shields gold-colored. — Dillenius. XVIII. 18. B.

Stones on chalky hills, January, P. Common.

875. *Pale Liver-wort.* — *L. pallescens.*

Crust whitish, shields pale. — Dillenius. XVIII. 17.

Walls, January, P. Common.

876. *Crab's-eye Liver-wort.* — *L. parellus.*

Crust white, shields concave, pale, with blunt edges. — Dillenius. XVIII. 10.

Stones, January, P. Rare.

Barton Hill.

877. *Hollowed Liver-wort.* — *L. scruposus.*

Crust ash-colored, granulated, shields immersed, black, with a scalloped border. — Sowerby. 266.

Walls, January, P. Common.

Obs :

Shields imbedded in the crust.

878. *Brownish Liver-wort.* — *L. subfuscus.*

Crust

XXIV. Thongs. Crypt. Algæ.

Crust whitish, shields brown, with an ash-colored somewhat scalloped border. — Dillenius. XVIII. 16.

Trees, January, P. Common.

Obs :

This is a very sportive and variable species.

879. *Crested Liver-wort.* — *L. cristatus.*

Tiled, leaves between toothed and fringed, shields larger than the leaves. — Dillenius. XIX. 26.

Damp Walls, October, A. Common.

880. *Olive Liver-wort.* — *L. olivaceus.*

Tiled, leaves lobed, olive-colored, shields of the same color, scalloped. — Dillenius. XXIV. 77.

Trees, January, P. Common.

881. *Common Liver-wort.* — *L. parietinus.*

Tiled, leaves curled, deep yellow, shields of the same color. — Sowerby. 194.

Trees, January, P. Common.

Obs :

Leaves in damp spots of a livid hue, in exposed and dry places, deep yellow. Shields always corresponding.

882. *Inflated Liver-wort.* — *L. physodes.*

Tiled, segments blunt, inflated. — Sowerby. 126.

Oak

XXIV. Thongs. Crypt. Algæ.

Oak pales, January, P. Common.

883. *Stone Liver-wort*. — *L. saxatilis*.

Tiled, leaves waved, rough, pitted, shields of a deep bay color. — Dillenius. XXIV. 83.

Oak pales, January, P. Common.

884. *Wall Liver-wort*. — *L. muralis*.

Shields green yellow, changing to full yellow, border paler, crust greenish, with a tinge of yellow, somewhat tiled. — (*Witbering*.) Hoffman. Enum. Lich. XI. 1.

Walls, January, P. Rare.

Oakley Church-yard.

885. *Starry Liver-wort*. — *L. stellaris*.

Tiled, leaflets oblong, jagged, narrow, ash-colored, shields blackish-brown. — Dillenius. XXIV. 70.

Trees, March, P. Common.

886. *Channel'd Liver-wort*. — *L. calicaris*.

Leafy, upright, strap-shaped, branched, pitted, convex, ending in a point. — Dillenius. XXIII. 62.

Trees, January, P. Common.

887. *Rose Liver-wort*. — *L. caperatus*.

Pale green, wrinkled, waved at the edge. — Dillenius. XXV. 97.

Trees,

XXIV. Thongs. Crypt. Algæ.

Trees, January, P. Rare.

Everton,—Eversholt.

888. *Self-colored Liver-wort.* — *L. concolor.*

Shields reddish-yellow, foliage yellow, leaves minute, upright, crowded, curled. — (*Withering.*) Dickson. IX. 8.

Trees, May, P. Rare.

Milton-Ernys.

889. *Fringed Liver-wort.* — *L. ciliaris.*

Leafy, somewhat upright, segments strap-shaped, fringed, shields on fruitstalks, scalloped. — Dillenius. XX. 45.

Trees, January, P. Common.

Obs :

Small branches fringed.

890. *Little-borned Liver-wort.* — *L. corniculatus.*

Leafy, somewhat upright, somewhat pitted, smooth, segments narrow, ending in small horns. — Dillenius. XXI. 54.

Trees, January, P. Common.

891. *Mealy Liver-wort.* — *L. farinaceus.*

Leafy, upright, flat, branched, mealy, with warted edges. — Dillenius. XXXIII. 63.

Trees, January, P. Common.

XXIV. Thongs. Crypt. Algæ.

892. *Ash Liver-wort.* — *L. fraxineus.*

Leafy, upright, oblong, spear-shaped, pitted, smooth, shields on short fruitstalks. — Dillenius. XXII. 59.

Trees, December, P. Common.

893. *Least Liver-wort.* — *L. tenellus.*

Shields dark-brown, nearly sitting, leaves grey-green, segments blunt, nearly upright, fringed, the ends tubular, when old. — Dillenius. XX. 46.

Trees, January, A. Common.

894. *Bat's-wing Liver-wort.* — *L. nigrescens.*

Leafy, skinny, roundish, lobed, wrinkled, blackish-green, shields crouded, reddish. — Sowerby. 345.

Willows, October, A. Rare.

Clapham,—Kempston.

Obs :

There are no shields ever found on our plants.

895. *Black-thorn Liver-wort.* — *L. prunastri.*

Leafy, rather upright, pitted, white and downy underneath. — Dillenius. XXI. 55.

Trees, January, P. Common.

Obs :

Shields terminal, paler than the leaves, brown with age.

Lung-wort.

XXIV. Thongs. Crypt. Algæ.

896. *Lung-wort*. — *L. pulmonarius*.

Leafy, jagged, blunt, smooth, pitted above,
downy underneath. — Dillenius. XXIX.

113.

Trees, January, P. Rare.

Maulden Wood.

* * * * * Leathery, bearing targets.

897. *Thrush Liver-wort*. — *L. apthosus*.

Leathery, creeping, lobed, blunt, flat, with
scattered warts, target on the edge, ascen-
ding. — Dillenius. XXVIII. 106.

Woods, January, P. Rare.

Amptbill,—*Maulden*.

898. *Dog's Liver-wort*. — *L. caninus*.

Leathery, creeping, lobed, blunt, flat, veiny
underneath, woolly, target on the edge, as-
cending. — Dillenius. XXVII. 102.

Pastures, January, P. Common.

899. *Flat-shield Liver-wort*. — *L. horizontalis*.

Leathery, creeping, flat, not veiny under-
neath, targets on the edge, horizontal. —
Dillenius. XXVIII. 104.

Heaths, Woods, January, P. Rare.

Glophill,—*Sheerbatch*.

M m 2 * * * * * Shaped

XXIV. Thongs. Crypt. Algæ.

* * * * * Shaped like a drinking glass.

900. *Cup Liver-wort*. — *L. pyxidatus*.

Cup-bearing, simple, finely scalloped, tubercles brown. — Dillenius. XIV. 6. A. B.

Walls, Heaths, January, P. Common.

901. *Tuberculated Liver-wort*. — *L. tuberculatus*.

Cup-bearing, simple, finely scalloped, tubercles brown, sitting on the borders of the cups. — Dillenius. XIV. 6. C. K. L. M.

Walls, Heaths, January, P. Common.

902. *Fringed Liver-wort*. — *L. fimbriatus*.

Cup-bearing, simple, finely toothed, stalk of the fruit cylindrical. — Dillenius. XIV. 8.

Heaths, January, P. Rare.

Amptbill,—Sandy.

903. *Cornucopia Liver-wort*. — *L. cornucopioides*.

Cup-bearing, simple, shorter than the leaf, tubercles scarlet. — Dillenius. XIV. 9.

Heaths, July, P. Rare.

Amptbill.

904. *Trumpet Liver-wort*. — *L. filiformis*.

Cup-bearing, simple, very entire, thread-shaped, tubercles brown.—Dillenius. XIV. 10.

Heaths,

XXIV. Thongs. Crypt. Algæ.

Heaths, Woods, January, P. Common.

Obs :

Cups very fine, truly thread-shaped.

905. *Elk's horn Liver-wort.* — *L. alcicornis.*

Leaves nearly upright, jagged, curled, bearing cups, cups at first very short, conical and simple: afterwards proliferous, with black tubercles.—Dillenius. XIV. 12. A. B.

Heaths, January, P. Common.

906. *Scarlet Liver-wort.* — *L. cocciferus.*

Cup-bearing, simple, very entire, stem cylindrical, tubercles scarlet.—Dillenius. XIV. 7.

Heaths, January, P. Common.

Obs :

Cups as if tipped with red sealing wax.

907. *Horned Liver-wort.* — *L. cornutus.*

Cup-bearing, nearly simple, rather bellying, cups entire. — Dillenius. XV. 14.

Hills, January, P. Rare.

Barton Hill.

908. *Rein-deer Liver-wort.* — *L. rangiferinus.*

Shrubby, perforated, very much branched, branches nodding. — Sowerby. 173.

Heaths, Woods, January, P. Common.

Obs :

Small branches fistulous.

Short

XXIV. Thongs. Crypt. Algæ.

909. *Short Liver-wort.* — *L. uncialis.*

Shrubby, perforated, small branches very short, pointed. — Sowerby. 174.

Heaths, January, P. Rare.

Amptbill.

Obs :

Barren shoots acute, fertile ones blunt.

* * * * * Branches hair-like.

910. *Hairy Liver-wort.* — *L. hirtus.*

Thread-like, very much branched, upright, tubercles mealy, scattered. — Dillenius.

XIII. 12.

Old Rails, January, P. Common.

911. *Wiry Liver-wort.* — *L. jubatus.*

Thread-like, branched, somewhat hanging down, between matted and zigzag, wings of the shoots compressed. — Dillenius. XII. 7.

Park Pales, January, P. Rare.

Amptbill.

Obs :

Plant like the tail of a horse in miniature.

Star-jelly. TREMELLA.

Fructifications scarcely visible, situated in a gelatinous substance.

912. *Brain-like Star-jelly.* — *T. albida.*

Sitting.

XXIV. Thongs. Crypt. Algæ.

Sitting, jelly-like, of various shapes, whitish. — Bulliard. 386.

Fallen branches of trees, October, A. Common.

Obs:

Plant white when young, when old brownish-black.

913. *Tree Star-jelly.* — *T. arborea.*

Sitting, roundish, waved, black. — Dillenius. X. 15.

Fallen branches of trees, October, A. Common.

Obs:

The whole surface studded with very black tubercles.

914. *Yellow Star-jelly.* — *T. mesenterica.*

Sitting, membranaceous, jelly-like, crowded, waved, yellow. — Jacquin. Misc. Aust. I. 13.

Pales, Stumps, &c. September, A. Rare.

Amptbill,—Warden.

915. *Common Star-jelly.* — *T. Nostoc.*

Sitting, roundish, plaited, waved, brownish-green. — Sowerby. 461.

Pastures after rain, August, A. Common.

916. *Violet Star-jelly.* — *T. violacea.*

Sitting, jelly-like, wrinkled, violet-colored, smooth underneath.

Fallen

XXIV. Thongs. Crypt. Algæ.

Fallen branches of trees, September, A.
Common.

Obs :

Like the tartar of red wine.

917. *Blackish Star-jelly.* — *T. nigricans.*

Fleshy, thickish, with a very irregular surface, at first scarlet, afterwards black. —
Bulliard. 455. 1.

Stumps, September, A. Rare.

Southill,—Clophill,—Amptbill.

918. *Ruddy Star-jelly.* — *T. cinnabarina.*

Jelly-like, fleshy, surface smooth, reddish. —
Bulliard. 455. 2.

Pales, October, A. Rare.

Amptbill Park.

Obs :

Plant sitting, hemispherical, at first soft, afterwards gristly.

919. *Deliquescent Star-jelly.* — *T. deliquescens.*

Nearly round, sitting, jelly-like, deliquescent, smooth, yellow. — (*Sibthorpe.*) Bulliard.
455. 3.

Stumps, November, A. Common.

Obs :

Like the gum that exsudes from injured trees.

920. *Glandulous Star-jelly.* — *S. glandulosa.*

Jelly-like,

XXIV. Thongs. Crypt. Algæ.

Jelly-like, roundish, cushion-shaped, brownish-black, entire, surface breast-shaped. — Bulliard. 420. 1.

Fallen branches of trees, December, A. Common.

921. *Charcoal Star-jelly*. — *T. carbonaria*.

Burnt, small, in vascular substances. — Bulliard. 420. 2.

On decayed Lemons, Winter, A. Common.

Obs :

Small globular substances arising from membranaceous cells.

Laver. ULVA.

Fructification in a transparent membrane, watery.

922. *Gut Laver*. — *U. intestinalis*.

Tubular, simple, membranaceous, green. — Dillenius. IX. 7.

Rivers, Ditches, May, A. Common.

923. *Curled Laver*. — *U. crispa*.

On the ground, very tender, green, curled. — Dillenius. X. 12.

Stones, January, A. Rare.

Elstow.

N n

Plumb

XXIV. Thongs. Crypt. Algæ.

924. *Plumb Laver*. — *U. pruniformis*.

Roundish, single, succulent within. — Weigers obs. II. 4.

On Moss, October, A. Rare.

On the Bath at Wrest Park.

Obs :

Green, not bigger than a Slot.

River-weed. CONFERVA. Gen. Pl. 1672.

Fibres simple, uniform, fine as a hair, thread-like.

925. *Cotton Conferva*. — *C. bullosa*.

Threads equal, branched, matted, inclosing bubbles of air. — Dillenius. III. 11.

Ditches, March, A. Common.

926. *River Conferva*. — *C. rivularis*.

Threads very simple, equal, very long. — Dillenius. II. 1.

Ditches, January, P. Common.

Obs :

Plant floating, silky.

927. *Mill Conferva*. — *C. canalicularis*.

Threads equal, more branched towards the base. — Dillenius. IV. 15.

Mill-ponds, January, P. Common.

Obs :

Threads 3 to 4 inches long, branches matted.

Amphibious

XXIV. Thongs. Crypt. Algæ.

928. *Amphibious Conferva.* — *C. amphibia.*

Threads equal, branched, when dry uniting into points like prickles. — Dillenius. IV.

17.

Damp Walls, January, P. Rare.

Luton Hooe.

Obs :

It forms a kind of skin over the mould with it's very numerous small fibres.

929. *Frog-spawn Conferva.* — *C. gelatinosa.*

Threads branched, necklace-shaped, joints round, jelly-like. — Dillenius. VII. 42.

Springs, January, A. Rare.

Eversholt.

930. *Net Conferva.* — *C. reticulata.*

Threads net-like, uniting together. — Dillenius. IV. 14.

Ditches, May, A. Rare.

Woburn,—Aspley.

Obs :

Threads branching in various directions, composing a net.

931. *Clustered Conferva.* — *C. glomerata.*

Threads jointed, very much branched, little branches very short, in many divisions. — Dillenius. V. 31.

XXIV. Thongs. Crypt. Algæ.

Springs, April, A. Rare.

Eversholt.

Obs :

Midrib thicker than the other parts.

Byssus. BYSSUS. Gen. Pl. 1673.

Fibres simple, downy.

932. *Paper Byssus.* — *B. flos aquæ.*

Threads feathery, floating.

Stagnant Waters, May, A. Common.

Obs :

In a dry state very like coarse whitey-brown paper.

933. *Violet Byssus.* — *B. phosphorea.*

Downy, violet colored, adhering to wood. —

Dillenius. I. 6.

Stumps, October, A. Common.

Obs :

Plant velvety, extremely grand when viewed in sunshine.

934. *Velvet Byssus.* — *B. velutina.*

Hair-like, green, threads branched. — Dillenius. I. 14.

On the ground, October, A. Common.

Obs :

Unless seen with a magnifier, this plant has the appearance of some of the smaller mosses.

935. *Golden Byssus.* — *B. aurea.*

Hair-like,

XXIV. Thongs. Crypt. Algæ.

Hair-like, powdery, fructifications scattered, threads simple and branched. — Dillenius. I. 16.

On Roots, January, P. Rare.

Barton Hill.

Obs :

When fresh, golden ; when dry, pale-green.

936. *Tawny Byssus.* — *B. fulva.*

Threads branched, tawny. — Dillenius. I. 17.

Fallen branches of trees, January, P. Common.

937. *White Byssus.* — *B. candida.*

Threads very much branched, small branches bundled, whitish.—Ray's Synopsis. XXIII.

Rotten wood, September, A. Common.

938. *Flaky Byssus.* — *B. septica.*

Hair-like, very soft, parallel, very brittle, pale. — Dillenius. I. 9.

Cellars, December, P. Common.

939. *Yellow Byssus.* — *B. candelaris.*

Powdery, yellow, growing upon wood. — Dillenius. I. 4.

Bark of Trees, September, A. Common.

Obs :

Different from the Lichen candelarius.

Mealy

XXIV. Thongs. Crypt. Algæ.

940. *Mealy Byssus*. — *B. incana*.

Powdery, mealy. — Dillenius. I. 3?

Trees, October, A. Common.

XXIV. Mushrooms. Crypt. Fungi.

Merulius.

Cap with veins underneath of the same substance with the rest of the plant.

941. *Minute Merulius*. — *M. squamula*.

Cap convex, flattish, white, with some indistinct wrinkles, radiate on the under side, stem very tender, between awl and bristle-shaped. — Batsch. 84. E. Fungi. 93.

Woods, on poplar leaves, October, A. Rare.

*Clapham Park & Renhold Woods.**Obs :**Beneath the cap instead of gills there are only from 3 to 5 irregular plaits.*942. *Clove Merulius*. — *M. caryophylleus*.

Sitting, concave, shaggy, edge scalloped and waved, veins branched underneath.—Batsch.

121. Schæffer. 325.

Fir Groves, September, A. Rare.

*Amptbill,—Warden.**Obs :**Plant dark cinnamon-colored, tiled, edges feathery.**Chanterelle*

XXIV. Mushrooms. Crypt. Fungi.

943. *Chanterelle*. — *M. chantarellus*.

On a stem, cap irregularly funnel-shaped, orange-colored, veins branched, anastomosing, stem flattish, of the same color. — E. Fungi. 46. excellent.

Woods, July, A. Common.

Obs :

Stem tapering at the base.

944. *Skinny Merulius*. — *M. membranaceus*.

Sitting, membranaceous, smooth, lobed, curled at the edge, veins on the underside branched. — Bulliard. 498. 1.

Fir Groves, on Moss, January, A. Rare.

Amptbill Park.

Obs :

Cap very irregular, with a border much waved and uncommonly curled, veins like net-work.

Agaric. AGARICUS. Gen. Pl. 1674.

Mushroom horizontal, with gills underneath.

* On a stem, solid with decurrent gills.

945. *Stick Agaric*. — *A. ramealis*.

Cap convex, white, stem white. — Bulliard. 336.

Small hazel sticks, October, Common.

Obs :

Hazel branches, where they shoot out from the old stumps, are almost entirely covered with this species.

Ivory

XXIV. Mushrooms. Crypt. Fungi.

946. *Ivory Agaric.* — *A. cburneus.*

Snowy-white, gills in pairs, stem short. —
E. Fungi. 32. excellent.

Hills, Heaths, September, Common.

Obs :

Cap in it's old age irregular ; when young, hemispherical.

947. *Drinking-glass Agaric.* — *A. cyathiformis.*

Cap shaped like a drinking-glass, white, stem
of the same color. — Bulliard. 248.

Fir Groves, September, Rare.

Amptbill, — Maulden.

Obs :

Stem zigzag, cap pale brown.

948. *Funnel Agaric.* — *A. infundibuliformis.*

Cap funnel-shaped, waved, stem thickening
upwards. — Bulliard. 286.

Fir Groves, November, Common.

Obs :

Cap brown, leather-like, stem and gills of the same color.

949. *Pestle Agaric.* — *A. pistillaris.*

Gills whitish, in pairs, very short, cap whitish, convex, stem of the same color, conical, bent inwards. — Batsch, 62.

Roots

XXIV. Mushrooms. Crypt. Fungi.

Roots of Trees, Winter, Common.

Obs :

Stem not upright.

950. *Cheese Agaric.* — *A. caseus.*

Cap pale-grey, margin turned in, gills whitish, stem cylindrical, thickening downwards. — E. Fungi. 61. excellent. Bulliard. 400.

Woods, Autumn, Common.

Obs :

Cap at first conical, when in perfection funnel-shaped.

951. *Lister's Agaric.* — *A. Listeri.*

Gills whitish, mostly regular, very thickly set and narrow, cap white, smooth, irregular, flattish, center flatted, stem white, not central, cylindrical. — Bulliard. 300.

Woods, September, Rare.

Clapham Park Wood,—Silsoe.

Obs :

The plant is full of an highly acrid juice.

952. *Fragrant Agaric.* — *A. fragrans.*

Gills brown-white, 4 in a set, cap brown-white, semi-transparent, stem brown-white. (*Witbering.*) E. Fungi. 10. excellent.

O o

Under

XXIV. Mushrooms. Crypt. Fungi.

Under Chesnuts, October, Rare.

Silsoe.

953. *Umbrella Agaric.* — A. Umbraculum.

Cap expanded, stem twisted, ash-colored above, brown below, gills 4 in a set. — Batsch. II. 4.

Stumps, September, Rare.

Bromham.

Obs :

Stem twisted upwards, channelled downwards.

954. *Milky Agaric.* — A. lactifluus.

Cap nearly expanded, but having a central point, nearly brown, gill and stem of the same color. — Bulliard. 224.

Woods, August, Common.

Obs :

Stem slanting, milk not acrid.

955. *Amethystine Agaric.* — A. amethystinus.

Cap nearly bell-shaped, smooth, stem and gills violet-blue. — Bulliard. 198.

Woods, September, Common.

Obs :

The whole plant amethystine.

956. *Heath Agaric.* — A. ericeus.

Cap

XXIV. Mushrooms. Crypt. Fungi.

Cap white, clammy, margin thin, stem of the same color. — Bulliard. 188.

Heaths, October, Common.

Obs :

Stem obversely conical, bluntish.

957. *Biting Agaric.* — *A. piperatus.*

Gills pale, 2 in a set, cap yellowish-white, woolly, center flattened, stem pale-yellow.

Woods, September, Rare.

Silsoe.

Obs :

The plant abounds with an highly acrid milky fluid.

958. *Bluish-red Agaric.* — *A. livido-rubescens.*

Stiff, brittle, pithy, milky, ashy-livid, cap brownish, spotted, stem whiter, gills very pale-yellow. — Batsch. 202.

Fir Groves, October, Common.

Obs :

Stem solid only above, with a singular hollowness in the lower part.

959. *Glutinous Agaric.* — *A. velatus.*

Cap brownish red, flattish, gills dirty white, few, 4 in a set, stem cylindrical. — E. Fungi. 7. excellent.

Fir Groves, September, Rare.

XXIV. Mushrooms. Crypt. Fungi.

*Warden,—Southill.**Obs :**Cap generally dark-brown.*960. *Slimy Agaric.* — *A. limacinus.*

Gills dirty-watery-white, not numerous, 4 in a set, cap pinky-brown, nearly flat, edge turned down, stem buff, tapering downwards. — E. Fungi. 8.

Fir Groves, October, Rare.

*Warden.*961. *Yellow Agaric.* — *A. sulphureus.*

Cap at first convex, then flatted, brimstone-colored, gills of the same color. — E. Fungi. 44.

Woods, October, Rare.

*Silsoe,—Warden.**Obs :**The whole plant of the same color, border of the cap uneven.*962. *Black-stalked Agaric.* — *A. androsaceus.*

White, cap skinny, plaited, stem black.—E. Fungi. 94.

Woods, October, Common.

*Obs :**Stem not quite straight, darkish brown.*963. *Woolly-edged Agaric.* — *A. contiguus.*

Cap

XXIV. Mushrooms. Crypt. Fungi.

Cap brownish-red, smooth, brim turned in, woolly, gills narrow, thickish, branched, pale yellow. — E. Fungi. 56.

Fir Groves, September, Common.

Obs :

Stem very short in proportion to the size of the plant.

964. *Ruddy Agaric.* — *A. rutilus.*

Cap rather conical, ruddy, gills reddish, leather-like, 2 in a set, stem red, bent at the base. — Schæffer. 55.

Fir Groves, October, Common.

Obs :

The whole exterior surface of the plant nearly of the same color.

965. *Small Orange Agaric.* — *A. fibula.*

Cap orange, scored, gills orange, in pairs, stem orange. — E. Fungi. 45.

Amongst Moss, August, Common.

Obs :

Cap dimpled in the center.

966. *Spangled Agaric.* — *A. micaceus.*

Cap bluntly conical, point brown, gills greyish-black, crowded. — Bulliard. 246. excellent.

Banks, Autumn, Common.

Obs :

XXIV. Mushrooms. Crypt. Fungi.

Obs :

Plant in decay dissolving into an ink-like liquor, when young ovate, in old age very ragged.

967. *Elm Agaric.* — *A. ulmarius.*

Cap pale-yellow, gills white, irregular, stem short, thick, twisted, of the same color. — *E. Fungi.* 67.

Sides of Elms, Autumn, Rare.

Ravensden.

Obs :

The cap by the cracking of the flesh has the appearance of net-work. Stem thickening downwards.

968. *Gilliflower Agaric.* — *A. odoratus.*

Gills white, 8 in a set, cap glaucous-green, nearly flat, stem white, cylindrical. — *E. Fungi.* 42.

Fir Groves, October, Rare.

Warden.

969. *Confluent Agaric.* — *A. confluens.*

Cap funnel-shaped, deep-brown, gills watery-brown, stem tapering downwards, of the same color. — *E. Fungi.* 168.

Woods, October, Rare.

Clapham Park Wood.

Obs :

The plant grows in large clusters from one spindle-shaped root with caps incorporating.

Meadow

XXIV. Mushrooms. Crypt. Fungi.

970. *Meadow Agaric.* — *A. elixus.*

Cap uneven, dark-brown in the center, lighter towards the margin, stem leaning, gills watery-white. — *E. Fungi.* 172.

Meadows, Autumn, Common.

* * On a stem, gills solid and fixed.

971. *Broad-gilled Agaric.* — *A. araneosus.*

Cap conical, cracking, gills broad, 4 in a set, stem brownish, ring fugacious. — *Bulliard.* 431.

Under Willows, Autumn, Common.

Obs :

Cap turned up in an advanced state, seldom entire.

972. *Goat Agaric.* — *A. Cossus.*

Cap conical, glutinous, white, shining, gills watery-white, stem of the same color, leaning. — *E. Fungi.* 121.

Woods, October, Common.

973. *Cæsar's Agaric.* — *A. xerampelinus.*

Gills golden-yellow, 4 in a set, cap fine red with shades of buff, stem buff, tapering upwards. — *E. Fungi.* 31.

Fir Groves, Autumn, Rare.

Warden,—Amptbill.

Dove

XXIV. Mushrooms. Crypt. Fungi.

- 974.
- Dove Agaric.*
-
- A. columbarius.*

Cap conical, lead-color, gills bluish, stem lead-color in the middle, whitish at both ends. — E. Fungi. 161.

Woods, September, Common.

- 975.
- Saffron Agaric.*
-
- A. croceus.*

Ochry, cap nearly conical, gills whitish, stem shaggy. — E. Fungi. 19.

Fir Groves, October, Rare.

Amptbill,—Warden.

Obs :

Cap ornamented with marginal ochry tufts.

- 976.
- Spindle-stemmed Agaric.*
-
- A. crassipes.*

Cap brown, changeable, convex, cracking, gills brownish, stem grooved, awl-shaped at the base, thicker above. — E. Fungi. 129.

Pastures, Autumn, Common.

Obs :

Plants growing in clusters, gills distant, 4 in a set.

- 977.
- Whitish Agaric.*
-
- A. dealbatus.*

Cap whitish with shades of brown, gills and stem watery-brown. — E. Fungi. 123.

Fir Groves, Autumn, Common.

- 978.
- Elephant Agaric.*
-
- A. elephantinus.*

Cap

XXIV. Mushrooms. Crypt. Fungi.

Cap thick, olive-color, clammy, gills 3 in a set, greenish yellow, stem and cap of one color. — E. Fungi. 36.

Woods, November, Common.

Obs :

The cap of the plant in decay has a black tinge.

979. *Small conical Agaric.* — A. geophyllus.

Cap bluish, conical, gills dirty brown, in pairs, stem brownish. — E. Fungi. 124.

Woods, Autumn, Common.

980. *Cobweb Agaric.* — A. glaucopus.

Gills brown, 4 or 8 in a set, cap hemispherical, chesnut-colored, flattish, brim rolled in, stem thick, whitish-pink, ring like a cobweb. — Bulliard. 96.

Woods, September, Common.

Obs :

Ring fugacious, small particles often adhering to the brims of the cap.

981. *Fawn-colored Agaric.* — A. hinnuleus.

Gills buff, very broad, 4 in a set, cap fawn-colored, convex, mealy, stem reddish brown at the base. — E. Fungi. 173. excellent.

Fir Groves, October, Rare.

Warden.

P p

Crimson

XXIV. Mushrooms. Crypt. Fungi.

982. *Crimson Agaric.* — *A. integer.*

Cap clammy, red, rather convex, all the gills uniform and white. — Batsch. 13.

Woods, September, Common.

Obs :

The cap varies between rose-color, scarlet, yellow and dark brown.

983. *Fly Agaric.* — *A. muscarius.*

Cap blood-colored, warty, warts and gills white, stem bulbous at the base. — (*Sibthorpe.*) Bulliard. 122.

Fir Groves, September, Common.

Obs :

Cap splendid, hemispherical, the ring turning back after the expansion of the cap.

984. *Spanish-snuff Agaric.* — *A. orichalceus.*

Cap clammy, rust-colored in the middle, stem ending in a sharp bulb, ring like a cobweb, rust-colored as well as the gills which are elongated, stem bulbous, livid, yellowish, or very pale-green. — Batsch. 184.

Fir Groves, Autumn, Rare.

Amptbill.

Obs :

All the cap (except the brim) rust-colored.

Spatterdash

XXIV. Mushrooms. Crypt. Fungi.

985. *Spatterdash Agaric*. — *A. peronatus*.

Cap hemisphærical, nearly transparent, gills straw-color, stem thickening downwards, woolly. — (*Sibtborpe*.) *E. Fungi*. 37.

Fir Groves, Woods, October, Rare.

Clophill,—*Maulden*.

Obs :

Stem clothed half way up with yellow wool.

986. *Cracking Agaric*. — *A. rimosus*.

Gills olive-brown, 2 or 4 in a set, cap striped, reddish-brown and yellow, conical, bossed, stem yellowish-white, cylindrical.— (*Withering*.) *Bulliard*. 388.

Woods, August, Common.

987. *Sattiny Agaric*. — *A. rufus*.

Gills tawny, not in a regular series, cap dark-brown, glossy, stem red-brown. — *Bulliard*, 526.

Fields, September, Common.

988. *Stump Agaric*. — *A. stipitis*.

Cap pale-brown, center darker, woolly, gills 4 in a set, white, stem brownish-grey, bulbous at the base, ring white. — (*Withering*.) *E. Fungi*. 101.

Stumps of trees, Autumn, Common.

XXIV. Mushrooms. Crypt. Fungi.

*Obs :**Cap cracking, ring permanent.*989. *Sordid Agaric.* — *A. sordidus.*

Gills and cap livid-brown, center dimpled, brim bent downwards, stem thicker at the base. — (*Dickson.*) *Dickson. I. III. 1.*

Fir Groves, October, Rare.

Warden,—Amptbill.

*Obs :**Cap fixed slopingly on the stem.*990. *Earthy Agaric.* — *A. terreus.*

Cap convex, brittle, ashy-black, gills white, stem white, not central. — *E. Fungi. 76.*

Woods, Heaths, October, Common.

*Obs :**Stem not upright, twisted, cap splitting.*991. *Warty Agaric.* — *A. verrucosus.*

Cap convex, ash-colored, warty, warts and gills white, stem bulbous at the base. — (*Hudson.*) *Curtis. V. 72.*

Woods, September, Common.

*Obs :**Cap brownish, warts crowded.*992. *Green Agaric.* — *A. viridis.*

Gills white, fleshy, 4 in a set, cap bluish-green, stem cylindrical, whitish. — (*Withering.*) *Bolton. 12.*

Fir

XXIV. Mushrooms. Crypt. Fungi.

Fir Groves, Woods, August, Rare.

Clophill,—*Warden*.

Obs :

Cap greyish-blue, *stem* without any ring.

993. *Snuff Agaric*. — *A. violaceus*.

Cap cracking, brim violet, woolly, stem blueish, with rust-colored wool.—*Bulliard*. 250.

Woods, October, Common.

Obs :

Brim turned inwards, *gills* 8 in a set, many, splendid violet.

994. *Fætid Agaric*. — *A. graveolens*.

Gills white, very numerous, irregular, cap white, stem of the same color, tapering. — *Bulliard*. 585.

Pastures, May, Rare.

Amptbill Park,—*Thurleigh*.

* * * On a stem, *gills* solid and loose.

995. *White Agaric*. — *A. albus*.

Gills white, many, 4 in a set, cap white, bluntly conical, brown at the point, stem white, tapering upwards. — *Bulliard*. 256.

Woods, Pastures, November, Common.

Obs :

Root tubercous.

Bulbous

XXIV. Mushrooms. Crypt. Fungi.

996. *Bulbous Agaric.* — *A. bulbosus.*

Cap hemisphærical, glossy, glutinous, white, stem bulbous, of the same color, ring permanent. — Bolton. 48.

Woods, October, Rare.

Silsoe.

Obs :

Cap yellowish-green, quite smooth and free from warts.

997. *Common Agaric.* — *A. campestris.*

Cap convex, scaly, whitish, gills red. — Bulliard. 134. 514.

Pastures, September, Common.

998. *Nail Agaric.* — *A. clavus.*

Gills white, in pairs, cap dimpled, pale-orange, stem of the same color. — Bulliard. 148. B. C. D.

Amongst Moss, July, Common.

Obs :

Stem leaning.

999. *Smeared Agaric.* — *A. collinitus.*

Cap bright-bay, conical, gills covered with a veil of gluten, stem whitish, scurfy. — E. Fungi. 9.

Fir Groves, Autumn, Rare.

Warden, — Amptbill.

Wafer

XXIV. Mushrooms. Crypt. Fungi.

1000. *Wafer Agaric.* — *A. crustuliniformis.*

Gills brown-red, cap red-buff, whitish at the edge, convex, stem white, scurfy. — Bulliard. 308. 546.

Copses, September, Rare.

Putnoe.

1001. *Lurid Agaric.* — *A. luridus.*

Gills blue-grey, numerous, uniform, cap dirty-olive-brown, slimy, bluntly conical, brim irregularly lobed: stem dirty-olive-brown, bent inwards. — (*Withering*) Bolton. 25.

Fir Groves, Autumn, Rare.

Amptbill.

Obs :

The gills approach the stem, but are not fixed to it.

1002. *Parasitical Agaric.* — *A. lycoperdonoides.*

Cap pill-shaped, branny, gills 18 to 20, very entire. — Bulliard. 166.

On rotten Agarics, Autumn, Rare.

Silsoe.

Obs :

Flesh rather firm, taking up almost the whole head of the Agaric.

1003. *Minikin Agaric.* — *A. minutulus.*

Cap thin, scored, brownish, gills few, yellowish, stem whitish, naked. — Schæffer. 308.

Under

XXIV. Mushrooms. Crypt. Fungi.

Under Black-thorns, Autumn, Common.

1004. *Fairy's Agaric.* — *A. orcadese*.

Gills brown-watery-white, 2 or 4 in set, cap pale-brown, convex, irregular, stem whitish, browner with age, very tough, rarely central. — (*Withering.*) Bulliard. 144.

Pastures, November, Common.

Obs :

Plant growing in circles.

1005. *Cushion Agaric.* — *A. pulvinatus*.

Gills ashy-white, 4 in a set, cap raised, brown mouse-color, stem grey, tapering upwards, ring constant. — Bolton. 49.

Woods, Autumn, Rare.

Clophill,—Silsoe,

Obs :

The edge of the cap deeply scored.

1006. *Hairy Agaric.* — *A. pilosus*.

Cap light-chesnut, with long brown hairs, stem pale brown, darker at the base, gills watery-white. — E. Fungi. 164.

Mountainous spots, Autumn, Rare.

Warden,—Barton.

1007. *Fibrous-rooted Agaric.* — *A. radicosus*.

Cap hemispherical, ring torn, permanent, gills ochry, stem shaggy, root slanting. — Bulliard. 160. excellent.

Woods,

XXIV. Mushrooms. Crypt. Fungi.

Woods, Autumn, Rare.

Silsoe,—*Clapham Park Wood*.

Obs :

Cap variegated with brownish spots.

1008. *Long-rooted Agaric*. — *A. radicans*.

Cap rather bell-shaped, brownish, gills white, stem bare, root spindle-shaped. — (*Relban.*)

E. Fungi. 48. excellent.

Woods, September, Common.

Obs :

Cap at first conical, afterwards expanding.

* * * * On a stem, hollow with decurrent gills.

1009. *Mealy Agaric*. — *A. farinaceus*.

Cap rather convex, purplish-brown, gills convex, distant, watery-pink, mealy, stem long. — Batsch, 100.

Fir Groves, September, Common.

Obs :

Cap gills and stem very often of one color.

1010. *Irregular Agaric*. — *A. irregularis*.

Cap brown, lobed, waved, gills 3 in a set, broad, pale-rose, stem hollow, greyish. — (*Relban.*) Bolton. 13.

Woods, October, Rare.

Silsoe.

Obs :

Cap fixed slanting on the stem.

Q q

Snow-white

XXIV. Mushrooms. Crypt. Fungi.

1011. *Snow-white Agaric.* — *A. niveus.*

Cap white, viscid, flattish, gills white, in pairs, stem white, cylindrical. — (*Withering.*) Schæffer. 232.

Fir Groves, October, Common.

Obs :

Gills varnished, not numerous.

1012. *Dimpled Agaric.* — *A. umbilicatus.*

Gills 4 in a set, cap dimpled, stem hollow, cap, gills and stem leather-like and uniform in color. — Bulliard. 411. 2.

Pastures, October, Rare.

Southill,—Aspley.

Obs :

Cap between the color of wax and leather.

* * * * * On a stem, hollow and fixed.

1013. *Verdegrise Agaric.* — *A. æruginosus.*

Cap convex, bluish-green, clammy, gills purplish-brown. — Curtis. V. 70.

Woods, October, Rare.

Amptbill,—Silsoe.

Obs :

Gills lilac, ring permanent.

1014. *Orange Agaric.* — *A. aurantius.*

Cap conical, clammy, orange-color, gills yellow, stem naked. — Curtis. V. 69.

Pastures,

XXIV. Mushrooms. Crypt. Fungi.

Pastures, October, Common.

Obs :

No Agaric varies more in color and shape than this species.

1015. *Filberd Agaric.* — *A. auricomus.*

Gills brownish-white, few, in pairs, cap golden-brown, convex, bossed, stem brown, thickening upwards. — Batsch. 21.

Roots of hazels, November, Rare.

Clapham Park Wood.

Obs :

Gills flesh-colored.

1016. *Small trumpet Agaric.* — *A. buccinalis.*

Gills white, cap funnel-shaped, stem uniform in color, very short. — E. Fungi. 107.

On Moss, Autumn, Rare.

Flitton, — Amptbill.

1017. *Flat Agaric.* — *A. compressus.*

Gills white, fleshy, few, 2 or 8 in a set, cap brown, irregular, stem whitish, flattened. — E. Fungi. 66.

Fir Groves, October, Common.

Obs :

Stem leaning, gills brownish-white.

1018. *Shield Agaric.* — *A. clypeatus.*

Cap hemispherical, clammy, pointed, gills ashy-black, stem long, white, cylindrical. — (*Sibthorpe.*) Bolton. 57.

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Plantations, September, Rare.

Clophill,—Warden.

Obs :

Cap pale-brown.

1019. *Waxen Agaric.* — *A. ceraceus.*

Gills pale-yellow, in pairs, cap deep-yellow, hemispherical, smooth, stem deep-yellow, cylindrical. — *E. Fungi.* 20.

Dry Pastures, September, Rare.

Thurleigh,—Aspley.

1020. *Cinnamon Agaric.* — *A. cinnamomeus.*

Cap dirty-yellow, gills yellowish-red. — *Bolton.* 150.

Fir Groves, August, Rare.

Amptbill.

Obs :

The Linnæan character of this plant is admirable.

1021. *Shaggy Agaric.* — *A. floccosus.*

Clustered, cap and stem tufted with yellowish-brown scales. — *Curtis.* IV. 71.

Stumps, August, Rare.

Between Bedford & Elstow.

Obs :

Stem first prostrate, then ascending.

1022. *Equilateral Agaric.* — *A. fimiputris.*

Cap pale-brown, bluntly conical, gills nearly black, stem whitish, with an irregular ring towards the top. — *Bulliard.* 66.

Pastures,

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Pastures, all the year, Common.

Obs :

The upper part of the stem bearing the traces of the fugitive ring determines this plant.

1023. *Clustered Agaric.* — *A. fascicularis.*

Cap convex, yellow, gills greenish, stem yellow. — (*Hudson.*) Bolton. 29.

Stumps, Autumn, Common.

Obs :

Stem leaning, rarely upright.

1024. *Moss Agaric.* — *A. Hypni.*

Cup with broad plaits at the brim, bossed, gills 3 in a set, inner ones fixed to the stem, all rust-colored, stem strap-shaped, slender, hollow within, with loose hairs. — Batsch. 96.

On Moss, October, Common.

Obs :

Cap conical, stem rather leaning.

1025. *Lean Agaric.* — *A. macer.*

Cap white, rather leather-like, thin, gills diluted-pink, stem white, hollow, splitting. — Bulliard. 518. F.

Shady Woods, October, Common.

Obs :

Cap almost transparent.

1026. *Honied Agaric.* — *A. melleus.*

Gills

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Gills pale-brown, 4 in a set, cap pale-buff, center deeper, rather conical : stem whitish, crooked, curtain fugacious. — (*Withering.*) Schæffer. 45.

Fir Plantations, September, Common.

1027. *Parroquet Agaric.* — *A. psittacinus.*

Cap green and yellow-orange, bossed, edge waved, gills and stem of the same color. — *E. Fungi.* 82.

Parks, October, Rare.

Amptbill Park.

1028. *Hemispherical Agaric.* — *A. semi-globatus.*

Cap hemispherical, straw-colored, clammy, gills horizontal, ring indistinct. — *Curtis.* III. 69.

Pastures, April, October, Common.

Obs :

Cap pale brimstone, gills blackish.

1029. *Congregated Agaric.* — *A. striatus.*

Gills white, greyish at the edge, 2 or 4 in a set, cap conical, brown-buff, sides grooved, stem whitish, smooth. — *E. Fungi.* 166.

Willow stumps, Autumn, Common.

1030. *Cap of Liberty Agaric.* — *A. tener.*

Cap reddish, rather conical, deeper red at the brim, gills reddish, 4 in a set, dipping below the edge of the cap, stem reddish, smooth. — *E. Fungi.* 33. excellent.

Pastures,

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Pastures, October, Common.

Obs :

This plant in decay resembles the cap of Liberty.

1031. *Trembling Agaric.* — *A. umbelliferus.*

Cap plaited, membranaceous, gills broader at the base. — Bulliard. 519. 1. A.

Dead leaves, October, Common.

Obs :

Plant slender, very fine, trembling very much.

1032. *Variable Agaric.* — *A. varius.*

Gills white, few, 2 or 4 in a set, cap conical, scored, stem cylindrical, stiff. — E. Fungi. 165. excellent.

Stumps, November, Common.

Obs :

Brim indistinctly scored.

1033. *Wood Agaric.* — *A. zylophilus.*

Cap cracking, pale-brown, deeper in the center, edge turning up, gills brown, stem leaning, of the same color.—E. Fungi. 167.

Fallen branches, August, Rare.

Clapham between Woods.

* * * * * On a stem, hollow and loose.

1034. *Garlick Agaric.* — *A. alliaceus.*

Cap open, half transparent, gills straw-color, stem woolly half way up. — Bulliard. 158.

E. Fungi. 81?

Woods,

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Woods, September, Rare,

Silsoe.

Obs :

Wool not yellow as in the peronatus, but an unpleasant black.

1035. *Watery Agaric.* — *A. aquosus.*

Cap rather conical, gills whitish-grey, stem brownish, cylindrical. — Bulliard. (no number.)

Rotten wood, April, Rare.

Eversholt.

Obs :

Cap towards it's center and brims brown, intermediate space whitish.

1036. *Mottled Agaric.* — *A. clypeolarius.*

Cap convex, branny, variegated, gills white, thin, 4 in a set, irregular, stem cylindrical. — *E. Fungi.* 14.

Grassy spots, August, Rare.

Husborne-Crawley.

Obs :

Stem bulbous at the base, gills ash-colored.

1037. *Cylindrical Agaric.* — *A. cylindricus.*

Cap white, cylindrical, shaggy, gills purplish, uniform, stem cylindrical, white. — (*Withering.*) *Curtis.* II. 72.

Way-sides, October, Common.

Obs :

XXIV. Mushrooms. Crypt. Fungi.

*Obs :**Cap cylindrico-oval.*

- 1038.
- Fleshy Agaric.*
-
- A. carnosus.*

Gills white, crowded, 4 or 8 in a set, cap convex, dirty-white, with reddish blotches and center reddish, stem dirty-white, blotched, ring none. — Curtis. V. 53.

Fir Groves, September, Common.

- 1039.
- Wheel-like Agaric.*
-
- A. Rotula.*

Gills uniform, fixed to a collar surrounding the stem, cap white, skinny, dimpled; stem white above, black below. — E. Fungi. 95.

Dry sticks, August, Common.

- 1040.
- Leaf Agaric.*
-
- A. dryophyllus.*

Gills pale-buff, 4 in a set, cap dead-white heightened to a pale-brown in the center, stem reddish at the base, whitish and tapering upwards. — E. Fungi. 127.

Shady woods, September, Common.

- 1041.
- Wizard's Agaric.*
-
- A. hariolorum.*

Cap rather bossed, often horizontal, gills pale-pink, stem of the same color, fibrous at the base. — Bulliard. 56.

Fir Groves, Autumn, Rare.

*Amptbill,—Warden.**Obs :**Base of the cap central, encircled with black.*

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- 1042.
- Bald Agaric.*
-
- A. impuber.*

Cap brown, yellow at the edge, gills 4 in a set, ochry-brown, stem purplish at the base, tapering downwards. — *E. Fungi.* 125.

Shady woods, October, Rare.

Lawn Wood.

- 1043.
- Weeping Agaric.*
-
- A. lachrymabundus.*

Gills dull-red, broad, numerous, 2 or 4 in a set, pileus dirty-brown, conical, woolly, stem dirty-white. — (*Withering.*) *E. Fungi.* 41.

Woods, lanes, October, Common.

- 1044.
- Short-lived Agaric.*
-
- A. momentaneus.*

Cap nearly conical, white, branny, gills ashy-black, stem white. — (*Sibthorpe.*) *Bulliard.* 68.

Pastures, October, Common.

- 1045.
- Bordered Agaric.*
-
- A. marginatus.*

Cap ochry, brim very narrow, stem between livid and ochry, snow-white at the base, gills between rust-colored and ochry. — *Batsch.* 207.

Hedges, October, Common.

Obs :

The point of the cap appears lopped or flattened.

- 1046.
- Puckered Agaric.*
-
- A. ovatus.*

Cap

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Cap ovate, somewhat plaited, stem bare, tapering at the base, roundish, gills crowded, nearly uniting. — Curtis. II. 71.

Grassy spots, October, Common.

Obs :

Cap puckered, gills grey, when ripe dissolving.

1047. *Tall Agaric.* — *A. procerus.*

Cap bell-shaped, nearly brown, scaly, gills whitish, stem bulbous, with a ring. — (*Light-foot.*) Curtis. IV, 69.

Fir Groves, October, Common.

Obs :

Stem thickening at the base and ending in an uncommon large bulb.

1048. *Pill-shaped Agaric.* — *A. piluliformis.*

Cap round, brown, gills whitish, stem slanting, of the same color. — Bulliard. 112,

Amongst moss, November, Rare.

Southill.

Obs :

Plant growing in clusters on living Mosses.

1049. *Plaited Agaric.* — *A. plicatilis.*

Cap bell-shaped or flat, mouse-colored, transparent, plaited. — Curtis. III. 70.

Grassy spots, November, Common.

R r 2

Obs :

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Obs:

Edge of the cap so deeply channelled as to deserve the name it bears.

1050. *Half-egg Agaric.* — *A. semi-ovatus.*

Gills brown-grey to black, 2 or 4 in a set, cap light-brown, smooth, half-egg-shaped, stem cylindrical, white. — *E. Fungi.* 131.

Pastures, June, Common.

1051. *Yellow-white Agaric.* — *A. titubans.*

Cap half-ovate, yellow, grooved towards the margin, gills pale-pink, stem very brittle, yellow. — *E. Fungi.* 128. excellent.

Obs:

Stem very long and thin.

1052. *Velvet-stemmed Agaric.* — *A. velutipes.*

Clustered, cap flattish, tawny, stem bare with a fine sooty woolliness at the base.—*Curtis.* IV. 70.

Fallen elms, October, Common.

Obs:

Cap orange-tawny, stem velvety.

* * * * * Stems lateral.

1053. *Styptic Agaric.* — *A. stypticus.*

Cap kidney-shaped, ochry, gills of the same color. — *E. Fungi.* 109.

Stumps,

XXIV. Mushrooms. Crypt. Fungi.

Stumps of trees, October, Rare.

Clophill.

Obs :

Plant fan-shaped.

1054. *Lateral Agaric.* — *A. lateralis.*

Nearly on a stem, smooth, lead-colored, gills nearly single.

On moss, October, Rare.

Warden,—Clophill.

Obs :

Whole plant between tan-leather and grey.

1055. *Oyster Agaric.* — *A. ostreatus.*

Between bundled and tiled, cap ash-colored, obversely ovate, edge rolled in, gills whitish, decurrent, somewhat branching at the base.

Curtis. III. 71.

Trees, Autumn, Rare.

Kempston,—Clapham.

Obs :

Gills towards the edge diluted-pink, in other parts grey.

1056. *Shell Agaric.* — *A. conchatus.*

Gills ochry, cap of the same color, splitting, stem lateral. — Bulliard. 298.

Fissures of trees, November, Rare.

Thurleigh.

Obs :

Like sea-shells in it's young state.

* * * * * Stemless.

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* * * * * Stemless.

1057. *Soft Agaric.* — *A. mollis.*

Between gelatinous and membranaceous, cap irregular, whitish, gills brimstone-colored.—
E. Fungi. 98. excellent.

Fallen elms, December, Common.

1058. *Sessile Agaric.* — *A. sessilis.*

Cap half-lopped, reversed, gills snuff-colored, rim bent inwards.—E. Fungi. 97. excellent.

Hazel sticks in woods, November, Common.

Obs :

Cap convex, white, gills much crowded.

1059. *Dark-grey Agaric.* — *A. applicatus.*

Turned inwards, round, ashy-black, gills touching in the center, whitish-azure. —

(*Dickson.*) Batsch. 125.

Posts, Autumn, Rare.

Clophill, — Silsoe.

1060. *Birch Agaric.* — *A. coriaceus.*

Proliferous, cap with concentric zones, leather-like, woolly, gills ochry-brown, branching. — Bulliard. 394. excellent.

Woods, October, Rare.

Clapham Park Wood.

Obs :

Cap perforated by grass, sticks, &c.

Oak

XXIV. Mushrooms. Crypt. Fungi.

1061. *Oak Agaric.* — *A. quercinus.*

Gills labyrinth-shaped. — Bulliard. 352.

Fallen elms, Winter, Rare.

*Aspley.**Obs :**This plant first adheres to the trunks of trees horizontally, afterwards becomes reversed and grows by it's cap.*1062. *Petal Agaric.* — *A. petalodes.*

Gills brimstone, cap shaped like a petal. — Bulliard. 226.

Old stumps, December, Rare.

*Clapham Park Wood.**Obs :**Clustered, shaped like the petal of a tulip.**Boletus.* BOLETUS. Gen. Pl. 1677.

Horizontal, porous underneath, pores united.

† On a stem, stem central.

1063. *Sponge Boletus.* — *B. bovinus.*Cap olive-brown, pores pale-tawny, unequal, stem dirty-white. — (*Sibthorpe.*) Bulliard. 60.

Woods, October, Common.

*Obs :**Stem without a ring.**Olive*

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1064. *Olive Boletus*. — *B. olivaceus*.

Cap olive-colored, bent downwards, flesh changing, tubes minute, yellow. — (*Sibthorpe*.) Schæffer. 105.

Pastures, woods, October, Common.

Obs :

Cap chesnut-colored, pores very minute.

1065. *Azure Boletus*. — *B. cyanescens*.

Cap fawn-colored, fleshy, flesh changing, stem thick, short, tuberous. — (*Sibthorpe*.) Bulliard. 369.

Woods, September, Rare,

Aspley,—Clapham between Woods.

Obs :

Flesh when bruised changes from white to blue.

1066. *Circular Boletus*. — *B. nummularius*.

Cap horny, varying from brown to chesnut, pores decurrent, stem black at the base. — E. Fungi, 89.

Hazel sticks, Autumn, Rare.

Clapham Park Wood.

Obs :

Cap marked with dark stripes.

1067. *Clustered Boletus*. — *B. gregarius*.

Tubes yellow, pores oblong, unequal, cap thin, flattish, chesnut-colored, stem pink at the base. — *Flora Danica*. 1018.

Fir

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Fir Groves, October, Rare.

Warden.

1068. *Common Boletus.* — *B. luteus.*

Cushion-shaped, rather clammy, pores rounded, convex, very yellow, ring permanent. — Schæffer. 114.

Woods, Autumn, Common.

Obs :

Pores easily separated.

1069. *Bronze Boletus.* — *B. æreus.*

Cap brown, hemisphærical, tubes short, sulphureous, stem marked with purple veins. — Bulliard. 385.

Fir Groves, August, Rare.

Warden.

Obs :

Stem with net-work veins.

1070. *Pepper Boletus.* — *B. piperatus.*

Stem rather slender, cap yellow, flesh sulphur-colored, firm, pores rather long, flame-colored. — E. Fungi. 34.

Fir Groves, September, Rare.

Warden.

Obs :

This Boletus, when chewed in the mouth, leaves a sharp peppery taste.

S s

† † Stems

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† † Stems lateral.

1071. *Oblique Boletus*. — *B. obliquatus*.

Cap oblique, marked with concentric zones,
stem short, lateral. — Bulliard. 459. L.

Stumps, December, Rare.

Clapham Park Wood.

1072. *Scaly Boletus*. — *B. squamosus*.

Almost stemless, flattish, between ragged and
scaly, yellowish, pores 4-square.—Schæffer.

101. 102.

Stumps, August, Common.

Obs :

Stem thinnest at bottom, pores spacious.

1073. *Slipper Boletus*. — *B. elegans*.

Cap ear-shaped, smooth, pores small, irre-
gular, stem full, black at the base. — (*Rel-
han.*) Bulliard. 360.

Willows, May, Rare.

Duck Mill.

Obs :

Cap very thin and tough.

1074. *Tiled Boletus*. — *B. frondosus*.

Almost stemless, tiled, pores decurrent, stem
black at the base, very irregular. — E. Fun-
gi. 87.

Stumps,

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Stumps, Autumn, Rare.

Maulden,—Renbold.

Obs :

Cap fawn-colored, pores whitish.

1075. *Varnished Boletus.* — *B. rugosus.*

Pores white, very small, cap crimson, varnished, stem knotty, slanting. — *E. Fungi.*
134. excellent.

Hazel stumps, Autumn, Rare.

Clapham Park Wood.

Obs :

Stem darker than the cap.

† † † Stemless.

1076. *Spongy Boletus.* — *B. suberosus.*

Cushion-shaped, smooth, pores pointed, irregular. — *Bolton.* 162.

Ash trees, November, Rare.

Potton,—Everton.

Obs :

Cap rather scaly.

1077. *Crumb of bread Boletus.* — *B. medulla panis.*

Crust-like, white, spreading, irregular. —
Jacquin. Misc. Aust. I. 11.

Decayed sticks, August, Common.

Obs :

Cap reversed, adhering to rotten wood.

S s 2

Willow

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1078. *Willow Boletus*. — *B. salicinus*.

Somewhat leather-like, soft, sitting, thin, semicircular, somewhat whitish, smooth, pores very short, whitish-red. — Bulliard.

433. I.

Willows, Winter, Common.

Obs :

Smells like the bloom of May.

1079. *Liver Boletus*. — *B. hepaticus*.

Convex, nearly round, red, smooth, pores round, yellow. — E. Fungi. 58.

Stumps, September, Common.

Obs :

Exactly like a piece of raw bullock's liver.

1080. *Sweet-smelling Boletus*. — *B. suaveolens*.

Smooth above, growing on the willow. — Bulliard. 310.

Stumps, Autumn, Rare.

Fenlake.

Obs :

Pores odoriferous, white or straw-colored.

1081. *Dry-rot Boletus*. — *B. lachrymans*.

Leather-like, half-oval, orange, between wrinkled and reticulated, border broad, snow-white, arched. — Jacquin Misc. Aust. Vol. II. VIII. 2.

Rotting

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Rotting wainscot boards, Autumn, too common.

Obs :

Border bent back, whitish, dotted, cushion-shaped.

1082. *Striped Boletus*. — *B. versicolor*.

Ridges discolored, pores white. — Schæffer. 267. 268. 269.

Trees, October, Common.

Obs :

Plant extremely thin.

1083. *Self-colored Boletus*. — *B. unicolor*.

Leather-like, thin, semicircular, with woolly zones above, pores ash-colored. — Bulliard. 408. - 501. 3.

Hedges on stumps, April, Common.

Obs :

Pores not a quarter of an inch long.

1084. *Sulphur Boletus*. — *B. sulphureus*.

Pores brimstone, cap a bright Aurora, streaked. — E. Fungi. 135.

Old stumps, October, Rare.

Hawnes.

Obs :

Plant much tiled, color soon fading.

1085. *Bristly Boletus*. — *B. hispidus*.

Pores yellowish-red, fringed, cap red-brown, rough with bristly hairs. — Bulliard. 210.

Ash-trees,

XXIV. Mushrooms. Crypt. Fungi,
Ash-trees, Autumn, Common.

Obs :

Younger specimens blood-red, old ones tawny.

1086. *Touch-wood Boletus*. — *B. igniarius*.

Cushion-like, smooth, pores very fine. — E. Fungi. 132.

Trees, Autumn, Common.

Obs :

Like a horse's hoof.

1087. *Tinder Boletus*. — *B. fomentarius*.

Pores sea-green, round, equal, cap cushion-like, blunt, unequal. — E. Fungi. 133.

Stumps, October, Rare.

Clapham.

Obs :

Thinner than the preceding.

1088. *Fan-shaped Boletus*. — *B. flabelliformis*.

Tiled, pores dark-purple, cap pale-flesh-colored. — Batsch. 266.

Stumps, October, Common.

Obs :

Pores lead-colored.

Hydnum. HYDNUM. Gen. Pl. 1676.

Mushroom horizontal, hedge-hogged underneath.

† On



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‡ On a stem.

1089. *Ear-picker Hydnum*.—*H. auriscalpium*.

Cap semicircular. — Curtis. III. 68.

Decayed cones of firs, September, Common.

Obs :

Cap rather kidney-shaped.

1090. *Tiled Hydnum*. — *H. imbricatum*.

Cap convex, scaly. — (*See our fig. No. 4.*)

Fir Plantations, October, Rare.

Warden.

Obs :

Cylinders pinkish-brown, decurrent.

1091. *Incorporated Hydnum*. — *H. sublamellosum*.

Snow-white, cylinders shaped like gills, caps incorporating. — E. Fungi. 112. excellent.

Woods, October, very Rare.

Clapham Park Wood.

Obs :

I think myself extremely fortunate in being the first discoverer of this Hydnum as a native of England.

1092. *Jupiter's beard Hydnum*.—*H. barba Jovis*.

Tawny, membranaceous, spreading, the ends of the prickles branched.—Bulliard. 481. 2.

Bases of birchen stumps, October, Rare.

Southill Plantations.

Turban-top.

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Turban-top. HELVELLA. Gen. Pl. 1677.

Mushroom top-shaped, smooth above and underneath.

1093. *Curled Helvella.* — H. mitra.

Cap bent down, growing together, lobed, irregular. — E. Fungi. 39. excellent.

Woods, October, Rare.

Houghton-conquest, — Clapham between Woods.

Obs :

Stem cellular, waxen.

1094. *Relban's Helvella.* — H. Relhani.

Cap conical, brown, stem hollow. — E. Fungi. II. excellent.

Pastures, May, Rare.

Medbury.

Obs :

Cap silky above, brim with a silky fringe.

1095. *Agaric-shaped Helvella.* — H. agariciformis.

Very small, white, stem thread-shaped, solid, cap thin, smooth above and underneath. — (*Relban.*) E. Fungi. 57.

Under moss at the roots of trees, October, Common.

Obs :

Stem sometimes branched and proliferous.

Jelly-like

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1096. *Jelly-like Helvella*. — *H. gelatinosa*.

Stem hollow, swelling at the base, cap arched, smooth above, jelly-like within, waved underneath. — (*Bulliard.*) E. Fungi. 70.

Woods, October, Rare.

Southill, — Silsoe.

Obs :

Upper part of the stem compressed.

1097. *Battledore Helvella*. — *H. spatulata*.

Cap much waved, flat, nicked at the top, stem hollow. — E. Fungi. 35.

Fir Groves, September, Rare.

Amptbill.

Obs :

Plant growing in clusters and extremely variable in color.

1098. *Eatable Helvella*. — *H. esculenta*.

Cap ovate, with cells, stem bare, wrinkled. — E. Fungi. 51.

Pastures, April, Common.

Obs :

Cap sometimes conical, oftener semi-ovate.

Auricularia. AURICULARIA. *Bulliard.*

Mushroom ear-shaped, sitting, gradually reversed, discharging seeds from what was the upper, but which is now become the lower surface.

T t

Gelatinous

XXIV. Mushrooms. Crypt. Fungi.

1099. *Gelatinous Auricularia*. — *A. tremelloides*.

Between jelly-like and gristly, fringed above with zones, pitted or plaited underneath. — Bulliard. 290.

Gate-posts, January, Common.

Obs :

Outside greyish-brown, inside purple and pitted.

1100. *Buff Auricularia*. — *A. papyrina*.

Membranaceous, soft, woolly above with zones, at first smooth underneath, afterwards pitted. — Bulliard. 402.

Trunks of trees, October, Rare.

Sheerbatch Wood.

Obs :

Woolly and fringed at the edges.

1101. *Woolly Auricularia*. — *A. reflexa*.

Leathery, thin, woolly above, smooth underneath. — E. Fungi. 27.

Stumps, December, Common.

Obs :

Cap woolly, with zones.

1102. *Rusty Auricularia*. — *A. ferruginea*.

Leathery, brownish-rust-colored, velvety above, with concentric scores, smooth, pimply underneath. — E. Fungi. 26.

Old pales, January, Common.

Tobacco

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- 1103.
- Tobacco Auricularia*
- . —
- A. tabacina*
- .

Rust-colored, zigzag, thin, with a yellow border. — (*Sibthorpe*.) *E. Fungi*. 25.

Branches of trees, February, Rare.

Clophill, — *Ampthill*.

Obs :

Lower surface veined, bare, wrinkled.

- 1104.
- Stick Auricularia*
- . —
- A. corticalis*
- .

Leathery, thin, between flesh-colored and brownish underneath. — *Bulliard*. 436. 1.

Dead sticks, August, Common.

Obs :

Greyish-brown, pimply, pitted like a Liverwort.

- 1105.
- Robe Auricularia*
- . —
- A. phylacteris*
- .

Thin, membranaceous, soft, smooth, folded at the base. — *Bulliard*. 436. 2.

At the foot of large trees in woods, January, Rare.

Sheerbatch Wood.

Obs :

Pale-straw-colored.

Morel. PHALLUS.

Mushroom with a cellular cap, open at the end, springing from a wrapper.

- 1106.
- Stinking Morel*
- . —
- P. impudicus*
- .

In a wrapper, on a stem, cap cellular. — *Curtis*. III. 72.

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Woods, Hedges, September, Rare.

Silsoe,—*Market-street*.

Obs :

Cap sometimes with two openings.

1107. *Dog's Morel*. — *P. caninus*.

In a wrapper, on a stem, cap wrinkled, conical, mouth closed. — Curtis. IV. 73.

Woods, August, very Rare.

Silsoe.

Obs :

Cap covered with a greenish liquor, red underneath.

Peziza. PEZIZA. Gen. Pl. 1680.

Concave, seeds emitted only from the upper surface.

1108. *Cornucopia Peziza*. — *P. cornucopiodes*.

Funnel-shaped, disc expanding, waved, dotted. — (*See our fig. No. 5.*)

Woods, September, Rare.

Silsoe.

Obs :

Plant sometimes solitary, oftener in clusters. I am indebted for the discovery of this very rare plant to the researches and assiduity of Mrs. Abbot.

1109. *Yellow-brown Peziza*. — *P. ochroleuca*.

Stem black at the bottom, cap funnel-shaped, dirty-yellow within. — E. Fungi. 115.

Woods,





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Woods on decayed sticks, Winter, Rare.

Clapham Park Wood.

Obs :

Substance leather-like, horny in decay.

1110. *Snowy Peziza.* — *P. nivea.*

White as snow, funnel-shaped, on a very short stem. — E. Fungi. 65.

Under old stumps, August, Common.

Obs :

Young specimens clothed with a whitish wool.

1111. *Dotted Peziza.* — *P. punctata.*

Top-shaped, lopped, the disc of the cap dotted. — E. Fungi. 54.

Cow-dung, October, Common.

Obs :

The black dots not always visible.

1112. *Crimson Peziza.* — *P. epidendra.*

Bell-shaped, brittle, wax-colored without, crimson within. — E. Fungi. 13.

Hedges, October, Rare.

Clapham,—Southill.

1113. *Goblet Peziza.* — *P. acetabulum.*

On a short stem, cap goblet-shaped, angular without, with branching veins. — E. Fungi. 59.

Woods,

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Woods, May, Rare.

Amptbill,—Aspley.

Obs :

Stem cellular.

1114. *Tuberous Peziza.* — *P. tuberosa.*

Cap nearly bell-shaped, brown without, paler within. — *E. Fungi.* 63.

Woods, Autumn, Rare.

Renbold Wood.

Obs :

Stem buried in the earth, growing at the base to a blackish tuberous substance.

1115. *Scarlet Peziza.* — *P. coccinea.*

Growing on the ground, between orange and scarlet, cup expanding. — *E. Fungi.* 78.

Woods, September, Rare.

Clapham Springs.

Brought together with the *Bryum trifarium* by Mr. T. KIDMAN of Bedford.

Obs :

Fine scarlet within, leather-colored without.

1116. *Smooth Peziza.* — *P. cyathoides.*

Glass-shaped, border blunt, upright.—*Ray's Synopsis.* XXIV. 4.

Branches of trees, August, Common.

Little Cup

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1117. *Little Cup Peziza*. — *P. calyculus*.

On a stem, convex, hemispherical, expanding, stem rather lengthened out, strap-shaped, firm, distinctly inserted. — Batsch.

XII. 57.

Hedge bottoms, August, Common.

Obs :

Whole plant yellowish-brown.

1118. *Hornbeam Peziza*. — *P. fructigena*.

Slender, tapering, brittle, smooth, ending in a slender stem, cup scalloped. — Bulliard. 228.

On acorns, October, Common.

1119. *Eyelet Peziza*. — *P. marginata*.

Concave, brownish, border flat, rather scalloped, snow-white. — (*Relban.*) E. Fungi. 16. excellent.

On decayed sticks, October, Common.

Obs :

Like the eyelet holes of a Lady's stays.

1120. *Wreathed Peziza*. — *P. cochleata*.

Top-shaped, wreathed. — E. Fungi. 5.

Woods, April, Common.

Obs :

Above dark-brown, beneath whitish.

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1121. *Cow Peziza*. — *P. stercoraria*.

Sitting, nearly straw-colored, yellow, cup
 scalloped, prominent with blackish points,
 rough with hair. — (*Sibthorpe*.) E. Fun-
 gi. 18.

Cow-dung, September, Common.

1122. *Orange Peziza*. — *P. fulva*.

Flat, orange, border convex, smooth. — Bul-
 liard. 438. 3.

Cow-dung, October, Common.

Obs :

Whole plant dull orange.

1123. *Eyelash Peziza*. — *P. scutellata*.

Flat, border convex, hairy. — E. Fungi. 24.

Bogs, October, Common.

Obs :

Disc scarlet, border fringed.

1124. *Vermillion Peziza*. — *P. punicea*.

Sitting, not shining, scarlet above, paler un-
 derneath, border cushion-shaped. — Batsch.
 XXXIX. 220.

Mosses, October, Common.

Obs :

Plant often roundish, between an orange and a scarlet color.

1125. *Nipple Peziza*. — *P. papillaria*.

Very

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Very small, somewhat waxen, thickish, sitting, rough with small prominent points, rather woolly, cup scolloped. — (*Bulliard.*) E. Fungi. 177.

Rotten wood, October, Common.

Obs :

Center ash-colored.

1126. *Two-colored Peziza.* — *P. bicolor.*

On a very short stem, white underneath, cup orange-scarlet. — E. Fungi. 17. excellent.

Rotten sticks, February, Common.

1127. *Hairy Peziza.* — *P. hispida.*

Sitting, cup between scolloped and vesicular, outside brown, hairy, inside bluish-white, smooth. — E. Fungi. 147. excellent.

Mosses in woods, October, Common.

1128. *Rasp Peziza.* — *P. leporina.*

Stem short, cap between flesh-colored and yellow, turned in, like a rasp underneath. — E. Fungi. 79.

Woods, October, Rare.

Silsoe.

1129. *Gelatinous Peziza.* — *P. tremelloidea.*

At first sitting, like a Tremella, then running into a thickish stem, cup between flat and concave. — *Bulliard.* 410. 1.

U u

Stumps,

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Stumps, December, Common.

1130. *Variable Peziza*. — *P. polymorpha*.

Top-shaped, first hollow, then flat or convex, wrinkled on the outside. — Bulliard.

116. - 460. 1.

Stumps, October, Common.

1131. *Lentil Peziza*. — *P. lenticularis*.

Small, thick, brittle, smooth, sitting or top-shaped, smooth underneath, between shield and cup-shaped. — Bulliard. 300.

Stumps, October, Common.

1132. *Green Peziza*. — *P. viridis*.

Stemless, cap concave, green, border blackish. — Bolton. 109. 1.

Stumps, October, Rare.

Clophill.

1133. *Black Peziza*. — *P. atra*.

Stemless, concave, black. — (*Hudson*.)

Park pales, Autumn, Rare.

Amptbill.

1134. *Blue Peziza*. — *P. cærulea*.

Stemless, cap azure, fringed. — Bolton. 108. 2.

Stumps, October, Rare.

Sheerbatch Wood.

Lead-colored

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1135. *Lead-colored Peziza*. — *P. cinerea*:
Sitting, ash-colored, bent back, border curled. — E. Fungi. 64.

Under old stumps, November, Common.

1136. *Bell-shaped Peziza*. — *P. campanulata*.
Lead-colored, smooth, border expanding, seeds smooth. — E. Fungi. 28.

Bean-fields, Autumn, Common.

1137. *Scored Peziza*. — *P. striata*.
Conical, brown, outwardly woolly, inwardly fluted, seeds downy underneath, — E. Fungi. 29.

Branches of dead firs, November, Rare.

Warden.

1138. *Crucible Peziza*. — *P. lævis*.
Dirty-yellow, smooth within, border upright, seeds smooth. — (*Sibthorpe*.) E. Fungi. 30.

Branches of living firs on the ground, October, Rare.

Warden.

1139. *Crouded Peziza*. — *P. spadicea*.
Sitting, almost stemless, unequal, shining above, rough beneath, border finely scolloped. — Batsch. 217.

Fallen elms, January, Rare.

Polton Wood.

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1140. *Cone Peziza*. — *P. pineti*.

Sitting, greyish-white, bent back, border ochry-brown. — Batsch. 140.

Cones of decayed firs, October, Rare.

Warden, — Amptbill.

Club-top. CLAVARIA. Gen. Pl. 1682.

Mushroom smooth, club-shaped, quite simple, emitting seeds from every part of the surface.

1141. *Hollow Clavaria*. — *C. pistillaris*.

Club-shaped, very entire, hollow, tapering at the base, point roundish. — Bulliard. 463. 1.

Heaths, September, Common.

1142. *Adder's-tongue Clavaria*. — *C. ophioglossoides*.

Club-shaped, very entire, flattened, black, head furrowed. — E. Fungi. 83.

Heaths, October, Rare.

Warden, — Clophill.

1143. *Coral Clavaria*. — *C. coralloides*.

Branches crowded, very much branched, bluntish at top, yellow. — Bulliard. 222.

Heaths, woods, November, Common.

1144. *Flat-topped Clavaria*. — *C. fastigiata*.

Branches,

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Branches crowded, very much branched, flat at top, straw-colored. — Bolton. 112. 2.

Woods, September, Rare.

Potton Wood.

1145. *Pointed Clavaria*. — *C. muscoides*.

Branches subdivided, pointed, unequal, yellow. — Schæffer. 173.

Woods, October, Common.

1146. *Fingered Clavaria*. — *C. digitata*.

Branched, branches nearly sitting, oblong, points blunt. — E. Fungi. 69.

Door-posts, Autumn, Common.

1147. *Flat-horned Clavaria*. — *C. Hypoxylon*.

Branched, compressed, horned. — E. Fungi. 55.

Stumps, Winter, Common.

1148. *Grey Clavaria*. — *C. cinerea*.

Mouse-colored, branches coral-like, solid, thick and short, points depressed. — Bulliard. 354.

Heaths, September, Rare.

Warden,—Clophill.

1149. *Cauliflower Clavaria*. — *C. anthocephala*.

Leathery, growing in a turf, rust-colored, with fan-shaped lobes. — Bulliard. 452. 1.

Heaths,

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Heaths, Autumn, Rare.

Sandy Warren.

1150. *Leathery Clavaria*. — *C. coriacea*.

Leathery, softish, branches coral-like, depressed, scored, points fringed. — Bulliard. 452. 2.

Heaths, Commons, October, Rare.

Warden.—Beeston Leys.

1151. *Thorny Clavaria*. — *C. aculeiformis*.

Small, yellow, very brittle, single or double, end pointed. — E. Fungi. 40.

Stumps, January, Rare.

Timber-yards, Bedford.

1152. *Twisted Clavaria*. — *C. gyrans*.

Stem lengthened out, hair-like, ending in a small club, rather lengthened out, cylindrical, oblong at either end. — Batsch. 164.

Woods, October, Rare.

Clapham between Woods.

1153. *Orange Clavaria*. — *C. militaris*.

Club-shaped, very entire, head scaly. — E. Fungi. 60.

Bogs, October, very Rare.

Amptbill.

Truffle.

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Truffle. TUBER. Bulliard. 73.

Mushroom growing under ground, fleshy, firm, containing the seeds within itself.

1154. *Common Truffle.* — *T. cibarium.*

Round, solid, warty, without a root. — Bulliard. 356.

Woods, pastures, Rare.

Renbold Wood,—Willington Pastures.

1155. *Rooted Truffle.* — *T. radicum.*

Roundish, compressed, fibres of the root rising from the surface, growing so as to form a root. — Bolton. 116.

Woods, September, Rare.

Puff-ball. LYCOPERDON. Gen. Pl. 1603.

Mushroom roundish, emitting powdery seeds.

1156. *Star Puff-ball.* — *L. stellatum.*

Wrapper manifold, expanding, head smooth, mouth with pointed plaits. — Ray's Synopsis. I. 1.

Pastures, October, Rare.

Ford-End.

Obs:

Head never sitting, star with from 5 to 7 segments.

Hygrometer

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1157. *Hygrometer Puff-ball*. — *L. recolligens*.

Wrapper with many spear-shaped divisions, head sitting, between round and compressed, mouth tapering upwards. — (*Woodward.*)
E. Fungi. 80.

Fir groves, August, Rare.

Amptbill.

1158. *Projectile Puff-ball*. — *L. carpobolus*.

Wrapper manifold, fruit globular, composed of united seeds. — (*See our fig. No. 6.*)

Rotten pales, October, extremely rare.

Amptbill.

First found together with the two preceding species by Mrs. ABBOT.

Obs :

Plant growing in clusters : an ovate vesicle starts up from the disc, scattering the seed with it's elastic motion.

1159. *Long-stalked Puff-ball*. — *L. pedunculatum*.

Stem long, head round, smooth, cylindrical, very entire. — Batsch. 167.

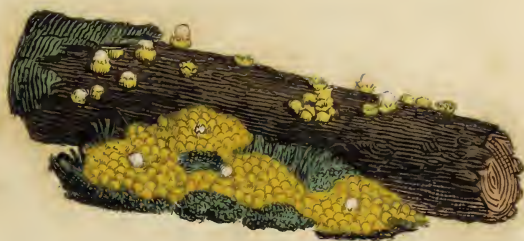
Walls, October, Common.

1160. *Variable Puff-ball*. — *L. Proteus*.

Roundish, top-shaped, or nearly on a stem, flesh white with soot-colored seeds, skin thin, flaccid. — Bulliard. 447.

Pastures, August, Common.

Pitted





XXIV. Mushrooms. Crypt. Fungi.

- 1161.
- Pitted Puff-ball*
- . —
- L. verrucosum*
- .

Roundish, reddish-brown, stem bluish-red, seeds brown, neck of the root with very broad plaits. — Bulliard. 24.

Heaths, August, Rare.

Amptbill.

- 1162.
- Asb-colored Puff-ball*
- . —
- L. cinereum*
- .

Blue-grey, globular, rough and branny, seeds like sand, large, black, intermixed with small white zigzag fibres. — Batsch. 169.

Rotten leaves and wood, August, Rare.

Clapham between Woods.

- 1163.
- Purple Puff-ball*
- . —
- L. epidendrum*
- .

Skin and meal purple. — E. Fungi. 52.

Rotten wood, October, Common.

- 1164.
- Slate-colored Puff-ball*
- . —
- L. ardosiacum*
- .

Roundish, between azure and lead-colored, flesh red, seeds brown, skin flexible. —

Bulliard. 192.

Pastures, January, Rare.

Ford-End.

- 1165.
- Cotton Puff-ball*
- . —
- L. gossypinum*
- .

Head pear-shaped, white, cottony, tapering downwards, seeds brown. — Bulliard. 435. 1.

Horses' hoofs, Winter, Rare.

Potton Wood.

XXIV. Mushrooms. Crypt. Fungi.

- 1166.
- Brittle Puff-ball*
- . —
- L. fragile*
- .

Parasitical, nearly sitting, inversely-ovate, skin shining, brittle, meal black, intermixed with soft hairs. — *E. Fungi*. 136.

On mosses, October, Rare.

Silsoe.

- 1167.
- Conjurer's Fern*
- . —
- L. innatum*
- .

White, sphærical, solitary, parasitical, sitting, containing a white powder and opening at the top with many ragged clefts. — (*Withering*.) *E. Fungi*. 53. *Æcidium fuscum*.

RETICULARIA. Bulliard.

Mushroom in it's first state soft, containing seeds entangled amidst numerous fibres.

- 1168.
- Custard Reticularia*
- . —
- R. septica*
- .

Slimy, yellowish, scattered, in various shapes. — (*Sibthorpe*.) *Schæffer*. 194.

Woods, September, Common.

- 1169.
- Egg-shaped Reticularia*
- . —
- R. ovata*
- .

Stemless, egg-shaped, mucilaginous, yellowish, gills cellular, vanishing, turning to dust, blackish: seeds black, adhering to threads. — (*Schæffer*.) Bulliard. 380. 1.

Grass, mosses, &c. October, Rare.

Warden.

Smut

XXIV. Mushrooms. Crypt. Fungi.

- 1170.
- Smut Reticularia*
- . —
- R. segetum*
- .

Brownish-black, growing on other plants, full of threads within. — Bulliard. 472. 2.

Ears of corn, June, too common.

SPHÆRIA. Haller.

Fructifications sphærical, full of a blackish powder, often secreted under the bark.

- 1171.
- Asb Sphæria*
- . —
- S. fraxinea*
- .

Roundish, black, outwardly smooth, nearly pustular, within marked with concentric circles. — E. Fungi. 160. excellent.

Old stumps, all the year, Rare.

Clapham Lane.

- 1172.
- Black Sphæria*
- . —
- S. lycoperdoides*
- .

Compound, convex, nearly solid, pith mealy, black. — Weigel Obs: III. 2 a.

Fallen boughs, Autumn, Common.

- 1173.
- Purple Sphæria*
- . —
- S. tremelloides*
- .

Roundish, sitting, single, smooth, scarlet. — Bulliard. 284.

Currant trees, Autumn, Common.

- 1174.
- Gregarious Sphæria*
- . —
- S. gregaria*
- .

Simple, collected into irregular clusters, vermillion, crust whitish, tender. — Weigel. II. 10.

XXIV. Mushrooms. Crypt. Fungi.

Oaks, February, Common.

1175. *Breast-shaped Sphæria*. — *S. mammosa*.

Single, breast-shaped, black.

Woods on hazel stumps, Spring, Common.

1176. *Scarlet Sphæria*. — *S. Mori*.

Simple, clustered, scarlet, very small. —

Bolton. 120. 1.

Rotten wood, October, Rare.

Renhold. Wood.

1177. *Blood-colored Sphæria*. — *S. sanguinea*.

Simple, oval, blood-colored, open at the end.

Bulliard. 487. 3.

Rotten sticks, Autumn, Rare.

Clapham Park Wood.

1178. *Depressed Sphæria*. — *S. depressa*.

Stemless, clustered, black, shining. — Bol-

ton. 122. 1.

Rotten sticks, Autumn, Common.

1179. *Stick Sphæria*. — *S. corticalis*.

Black, seeds very numerous, shining, round. —

Bulliard. 492. 2.

Sticks and walls, October, Common.

1180. *Clustered Sphæria*. — *S. aggregata*.

Parasitical, round, mouth entire. — Bolton.

122. 2.

Rotten

XXIV. Mushrooms. Crypt. Fungi.

Rotten sticks, December, Common.

1181. *Furrowed Sphæria*. — *S. sulcata*.

Stemless, with a longitudinal groove.—Bolton.

124 ?

Stumps, Autumn, Common.

1182. *Incrusted Sphæria*. — *S. stigma*.

Compound, bark-like, black, dotted.—Hoffman. Veg. Crypt. V. 2.

Under the bark of trees, October, Common.

1183. *Pointed Sphæria*. — *S. acuta*.

Single, very small, pointed, black. — E. Fungi. 119. excellent.

Nettle stumps, January, Common.

1184. *Round Sphæria*. — *S. globularis*.

One-celled, scattered, sphaerical, from white becoming black, smooth, breast-shaped at the point. — Bulliard. 444. 2.

Stumps in woods, October, Common.

1185. *Muscle Sphæria*. — *S. ostreacea*.

One-celled, scattered, from ash-colored turning brownish-black, nearly flattened, smooth, with two valves. — Bulliard. 444. 4.

Fallen boughs, October, Common.

1186. *Thorn-like Sphæria*. — *S. echinata*.

Many-celled,

XXIV. Mushrooms. Crypt. Fungi.

Many-celled, black, stud-shaped, flat, surface smooth, disc covered with prickles. — Bulliard. 432. 2.

Between the inner and the outer rind of trees,
Winter, Rare.

Clapham between Woods.

1187. *Club-shaped Sphæria.* — *S. clavata.*

One-celled, between thyrses and crowded, scattered, lengthened out, tapering at the base, from whitish turning black, smooth. — Bulliard. 444. 5.

Branches of trees, Autumn, Rare.

Clapham between Woods.

1188. *Black Sphæria.* — *S. atra.*

Many-celled, brownish-black, with pointed studs, seeds elliptical, breast-shaped at the point. — Bulliard. 432. 1.

Branches of trees, October, Common.

1189. *Tendril Sphæria.* — *S. cirrhata.*

One-celled, scattered, white turning black, receptacles bearing tendrils. — E. Fungi. 138. excellent.

Branches of trees, October, Rare.

Renbold Wood.

1190. *Covered Sphæria.* — *S. obducta.*

Stemless,

XXIV. Mushrooms. Crypt. Fungi.

Stemless, clustered, rather woolly. — Bulliard. 492. 1.

Sticks, Autumn, Common.

TRICHIA. Haller.

Mushroom growing in clusters, capsules cylindrical, between top-shaped and oblong or round, producing seeds in net-work filaments.

1191. *Naked Trichia*. — *T. nuda*.

On a stem, head oblong, growing on a longitudinal axis. — Bulliard. 477. 1.

Rotten wood, October, Common.

1192. *Purple Trichia*. — *T. denudata*.

Stem very short, capsule lengthened out, oval, not perforated, cup-shaped at the base. — E. Fungi. 49.

Rotten wood, October, Rare.

Southill.

1193. *Cat's-tail Trichia*. — *T. typhæformis*.

Stem broader at the base, capsule always cylindrical. — E. Fungi. 50.

Rotten Wood, September, Rare.

Silsoe,—*Southill*.

1194. *Ash-colored Trichia*. — *T. cinerea*.

Stem short, tapering, capsules greyish-white. — Bulliard. 477. 3.

Rotten

XXIV. Mushrooms. Crypt. Fungi.

Rotten boughs, Autumn, Common.

1195. *Least Trichia*. — *T. minuta*.

On a stem, bell-shaped, bearing small lentil-shaped seeds.—Hoffman. Veg. Crypt. II. 2.

On *Hypnum triquetrum*, Winter, Rare.

Clapham Park Wood.

Obs :

Stem purplish, bearing a cup resembling a wine-glass in miniature, springing from living mosses.

1196. *Olive-colored Trichia*. — *T. olivacea*.

On a stem, stem and head woolly, olive-colored. — Bolton. 94. 2.

Rotten wood, Autumn, Rare.

Renhold Wood.

1197. *Branny Trichia*. — *T. furfuracea*.

On a stem, stem greenish, thread-shaped, head round, mealy. — Batsch. 178.

Rotten wood, December, Rare.

Renhold Wood.

1198. *Grey Trichia*. — *T. globulifera*.

On a stem, head round, ash-colored, grey. — Bulliard. 484. 3.

Clefts of wood, Autumn, Rare.

Clapham Park Wood.

Liverwort

XXIV. Mushrooms. Crypt. Fungi.

- 1199.
- Liverwort Trichia*
- . —
- T. lichenoides*
- .

Stem cylindrical, black, head round, of the same color. — (*Sibthorpe*.) Sowerby. 414.

Lichen sphærocephalus.

Park pales, November, Rare.

Amptbill Park.

- 1200.
- Top-shaped Trichia*
- . —
- T. turbinata*
- .

Stemless, top-shaped, yellow, wool yellowish. — *E. Fungi*. 85.

Rotten wood, August, Common.

- 1201.
- Pear-shaped Trichia*
- . —
- T. pyriformis*
- .

Yellow, varnished, capsules top-shaped, gradually ending in a cylindrical stem. — (*Sibthorpe*.) Bulliard. 417. 2.

Rotten wood, August, Common.

- 1202.
- Black Trichia*
- . —
- T. recutita*
- .

On a stem, shaped like a fig, roundish, wool black. — Bulliard. 417. 3.

Rotten wood, September, Common.

- 1203.
- Blackish Trichia*
- . —
- T. fusco-ater*
- .

Stemless, brown-black, seeds yellow. — Bulliard. 417. 5.

Limestone walls, Autumn, Rare.

Friar's Walls.

Y y

Mould.

XXIV. Mushrooms. Crypt. Fungi.

Mould. MUCOR. Gen. Pl. 1685.

Mushroom with vesicles standing on stems,
in which numerous seeds are contained.

1204. *Cotton Mould.* — M. Mucedo.

On a stem, head round. — Bulliard. 480. 2.
Rotten planks, October, Common.

1205. *Greenish Mould.* — M. glaucus.

On a stem, head roundish, in clusters. —
Flora Danica. 777. 2.

On rotten fruit, Common.

1206. *Dewy Mould.* — M. roridus.

On a stem, fugacious, stem hair-like, head
sphærical, like a dewdrop, with a black
dot at the point. — (*Relhan.*) Bulliard.
480. 1.

Cow and horse-dung, August, Rare.

Paradise, near Bedford.

1207. *Pitcher-shaped Mould.* — M. urceolatus.

On a stem, fugacious, stem bellying upwards,
transparent, like a dew-drop, head roundish,
elastic, black. — Dickson. I. 111. 6.

With the former, but rarer.

1208. *Black Mould.* — M. embolus.

On a black bristle-shaped stem, hair woolly,
brown.

Rotten wood, Winter, Common.

Fingered

XXIV. Mushrooms. Crypt. Fungi.

- 1209.
- Fingered Mould.*
-
- M. cæspitosus.*

On a branched stem, fructifications fingered. — Bulliard. 504. 11.

Rotten vegetables in woods, Winter, Rare.

Thurleigh Wood.

- 1210.
- Radiating Mould.*
- M. crustaceus.*

On a simple stem, fructifications radiating, terminal. — Bulliard. 504. 10.

Under mosses in woods, October, Rare.

Potton Wood.

- 1211.
- Grape Mould.*
-
- M. botrytis.*

On a stem, fructifications in bunches. — Bulliard. 504. 7.

On the caps of old Boleti. October, Rare.

Clapham Lane.

- 1212.
- Golden Mould.*
-
- M. chrysospermus.*

Stems erect, with very numerous roundish seeds, at first white, afterwards gold-colored. — Bulliard. 504. 1.

On the caps of old Boleti, October, Common.

- 1213.
- Stick Mould.*
-
- M. lignifractus.*

Pimple-shaped, at first white, afterwards green, stems very fine, branched, intermixed, seeds very minute, roundish, scattered. — Bulliard. 504. 6.

XXIV. Mushrooms. Crypt. Fungi.

Rotten boughs, Winter, Common.

1214. *Granulous Mould.* — *M. granulosus.*

Incrusted, blackish, seed-covers sitting, adhering as well to the upper as under surface of the leaves. — Bulliard. 504. 5.

Rotten leaves, Winter, Common.

1215. *Sessile Mould.* — *M. Erisyphe.*

White, heads brown, sitting. — Bulliard. 504. 12.

Decayed leaves, September, Common.

1216. *Cheese Mould.* — *M. caseus.*

Crust rather leather-like, stems very short, heads or seeds roundish, white, yellow or scarlet. — E. Fungi. 180.

Cheese in damp Cellars, Common.

1217. *Orange Mould.* — *M. aurantius.*

Crustaceous, stems branched, creeping, seeds few, roundish, scattered, very minute, orange-colored. — Bulliard. 504. 5.

Inside of willows, Winter, Rare.

Goldington.

Plants added.

Threads in I Set. X Males. Monad. Decand.

1218. *Bloody Crane's-bill*. — *G. sanguineum*.

Fruitstalks with 1 flower, leaves with 5 divisions, subdivisions trifid, outline circular. — Sowerby. 272.

Hedge bottoms, May, P. Rare.

Potton. Mr. RUGELY.

Threads in II Sets. X Males. Diad. Decand.

1219. *White Upright Trefoil*. — *T. hybridum*.

Heads somewhat umbel-like, shells with 4 seeds in each, stem ascending. — Vaillant. XXII. 5.

Moist pastures, May, P. Rare.

Caldwell pastures.

Threads on the Female. Gynand. Diand.

1220. *Spider Ophrys*. — *O. aranifera*.

Bulbs roundish, stem leafy, lip of the nectary roundish, entire, nicked, convex. — Sowerby. 65.

Old sand and gravel pits, May, P. Rare.

Southill. Mr. P. WALKER.

Juniper

II Houses. Threads in many Sets. Dioec. Monad.

Juniper. JUNIPERUS. Gen. Pl. 1552.

Male. — Cup of the catkin scaly. Blossom none.

Female. — Cup of 3 divisions. Petals 3. Styles 3. Berry 4-seeded. Tubercles of the unequal cup three.

1221. *Juniper Tree.* — *J. communis.*

Leaves in threes, expanding, pointed, longer than the berry. — Blackwell. 187.

Hilly spots, May, S. Rare.

Warden.

XXIV. Mushrooms. Crypt. Fungi.

* Agarics, solid and decurrent.

1222. *Golden Agaric.* — *A. aureus.*

Gills orange with a leaden cast, 4 in a set, cap deep-orange or gold-colored, stem lighter, ring permanent. — E. Fungi. 77.

Woods, Autumn, Rare.

Clapham Park Wood.

* * Solid and fixed.

1223. *Pinky Agaric.* — *A. puniceus.*

Gills white, 4 in a set, cap pinky, convex, stem white. — (*Withering.*)

Woods, October, Common.

Purplish

XXIV. Mushrooms. Crypt. Fungi.

1224. *Purplish Agaric.* — *A. subpurpurascens.*

Gills reddish-brown, cap brown, purplish at the edge, stem violet-colored, scurfy, bulbous at the base. — Batsch. 74.

Pastures, October, Common.

1225. *Uncurtained Agaric.* — *A. nudus.*

Gills cool-brown, numerous, 4 or 8 in a set, cap brown, gently convex, concave with age, satiny when dry, stem brown. — (*Withering.*) Bulliard. 439. (the lower figures.)

Woods, October, Rare.

Warden, — Clapham Park.



TYPOGRAPHICAL AND OTHER ERRORS.

Page. Line.

13. - 13. For MILUIM read MILIUM.
32. - — In the Title for III read IV Males.
32. - 4. For 101. read 110.
61. - 24. For 109. read 209.
136. - 14. For 464. read 454.
199. - 8. Add — Watery pits, June, P. Rare.
Ford End.
274. - 3. For Weigers read Weigel.
319. - — Before No. 1092. Hydnum barba Jovis.
insert this mark,
‡ ‡ Stemless.
320. - 12. After E. Fungi. for II. read 11.

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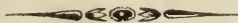
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
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